

**In Memory.** Oh, Pat, you would have a field day with this newswire! A relentless data gatherer, truth seeker, amazing communicator and reporter, our dear friend and colleague Pat Korten (who we were able to lure out of retirement to help us with writing, editing and policy guidance, after having spent more than 30 years in the communications field), left us unexpectedly and far too soon last week. He would have edited this piece with depth and perfection, attributes he offered to us and to so many others in all his deeds. We will miss him, but know his abundant qualities are now being deployed by God.

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Founded in 1993, the Center for Education Reform aims to expand educational opportunities that lead to improved economic outcomes for all Americans — particularly our youth — ensuring that conditions are ripe for innovation, freedom and flexibility throughout U.S. education.

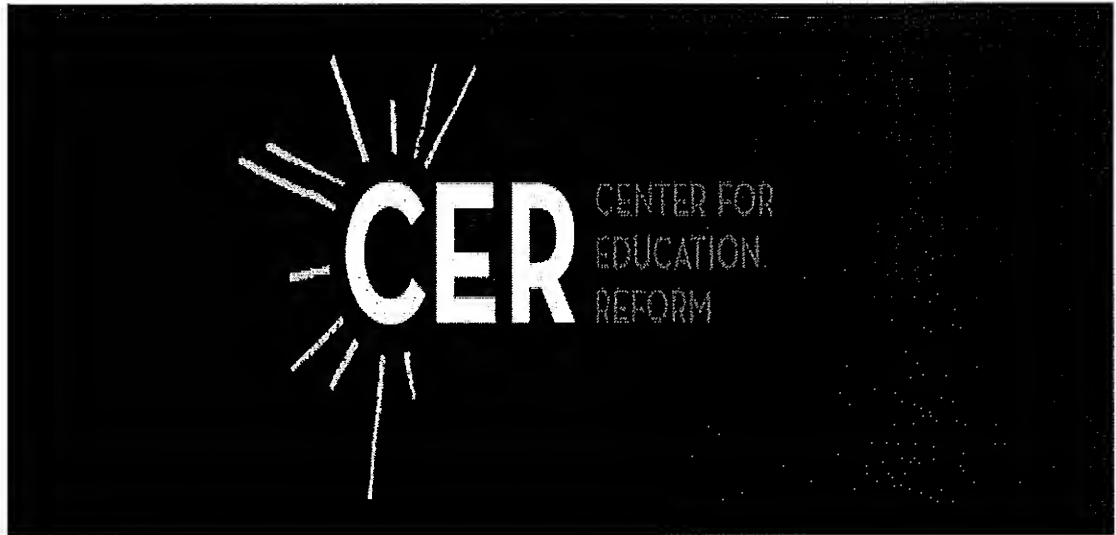
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# newswire@

A weekly report on education news and commentary you won't find anywhere else ? 4 from the nation's leading voice on education innovation and opportunity.

**CAUTION:** This newswire contains serious and thought-provoking commentary on teacher pay and teacher strikes.

**IN LIGHT OF THE TEACHER STRIKES**, we are compelled to bring you some facts, research and data about teacher pay that we hope will enlighten and inform readers and help you avoid simply falling into the trap of saying to yourself, "Oh wow, this is awful that we pay teachers so poorly..." Indeed, we do pay teachers poorly, and the pay scales and structures of how teachers are hired, rewarded, retained and paid later in retirement are completely broken.

This is not an exhaustive analysis, just a smattering of thoughts that should propel you to do your research before jumping to conclusions.

**MOST ARE OUTRAGED BY TEACHER PAY LEVELS.** How bad are they, really? The answer is, It depends. Confirms the California education blog ED100: "It is difficult to accurately compare teacher pay with private sector pay, because they work differently. In a simple comparison, teacher salaries can seem worse than they are. Private-sector workers' retirement dollars flow through paycheck deductions and build up in a way that is easy to count. They show up on a monthly statement. They accumulate in an account... Teacher pensions, by contrast, don't accumulate. Like a life insurance contract, teacher pensions are a promise of future payments. The 'payout' on this contract varies mostly on how long the beneficiary lives." Incidentally, that payout results in teachers being able to retire and earn nearly their full salary for every year of their lives afterward.

**Then there are union dues**, which can be another \$600-\$1,000 a year, with no obvious benefit other than to be told why your profession is underpaid and encouraged to strike... This why tens of thousands of teachers oppose these compulsory paycheck fees, teachers like California's Rebecca Friedrichs who took her case to the Supreme Court and Illinois' Mark Janus who is awaiting the High Court's decision on his challenge (which will likely be handed down this June). (For background reading, see this op-ed by CER's CEO, Jeanne Allen, and listen to this podcast with Mark Mix, president of the organization that represents Mark Janus.)

**STRIKING FOR THE WRONG THING?** The teacher unions won't tell them, but the teachers who are striking across the country aren't going to solve anything even if the legislatures give them an annual raise. Why such a strident statement? Consider the following number: **\$1,000 PER PUPIL**. That's the annual cost of employee pensions. Imagine a school of 600 students — that's \$600,000! Let's just say half those funds could go to teachers instead of the state pension coffers upfront. There are approximately 26 classroom

teachers in a school that size, if we are talking a traditionally organized school. If you took just half of those funds and put them in teachers' salaries in that school, they'd be earning another \$11,000 a year each! Please note that these funds are above and beyond employee contributions, Social Security and taxes.

**LET= 2S TALK MORE ABOUT PENSIONS.** As teachers retire they will need to access the pensions they were promised and which the state has paid into. Those funds are paid by the current crop of teachers, to the tune of ten percent of their earnings. Let's take the average pay for an Oklahoma teacher — \$50,000 (which is equivalent to about \$76,000 in Stamford, Connecticut. For all you *New York Times* readers, the cost of living in the Northeast is between 40-60% higher). According to a study from the National Center for Analysis of Longitudinal Data in Education Research, "On average across state plans, over ten percent of current teachers' earnings are being set aside to pay for previously accrued pension liabilities. This amounts to a large reduction in real operating spending per student. . . . A significant fraction of the resources allocated toward teacher compensation in current public education budgets *is not being invested in resources to educate today's students at all.*"

**WHAT TO DO?** Researchers who have been studying this issue for years argue that there are several policy changes that could favor teachers while they work and reduce the pension burden that accumulates on states that are constantly threatened by shifting economic conditions: "(1) transition teachers to defined-contribution retirement plans, (2) transition teachers to cash-balance retirement plans, and (3) tighten the link between funding and benefit formulas within the current defined benefit structure."

**IF YOU REALLY WANT TO GET SMART** on teacher pensions, you need to spend some time here. The solutions guiding what teachers make and what the state spends, on top of pension costs. There have been dramatic increases in the past ten years in public pension and benefit spending.



**TIME TO RETHINK TEACHER PAY.** We're rethinking everything else — higher ed, K-12, workforce, school safety — so how about teaching? First, compensation is wildly uneven, being delivered to teachers through schools based on state rules governing experience and pay schedules that often see teachers meeting the peak of their salary years after most other professions, in their 50s! As respected researcher Marguerite Roza writes for the left-leaning Brookings Institution, "...a disproportionate amount of available salary funds is concentrated on teachers at the end of their career."

"District leaders are steering a disproportionate share of the highly constrained public education funds toward a small segment of the teaching force — the group of teachers *least* likely to leave teaching. The National Center for Education Statistics Teacher Follow up Survey reports that while fewer than four percent of teachers with more than 20 years' experience leave before retirement, 13.5 percent of teachers with under five years' experience do. The lower turnover among senior teachers might be a result of the higher salaries, or of proximity to pension earnings — we don't know for sure... But current distribution patterns leave few dollars for pay raises in a teacher's earlier years where turnover is most acute.

***? CThese practices not only result in lower salaries for most teachers, they also channel funds in ways that jeopardize equity across schools and create havoc for district financial stability."***

#### **DID YOU KNOW?**

"Most public-school teachers' salaries are determined by years in the classroom and degrees held. But a new study from the Manhattan Institute shows that the premium we pay for teacher experience is far greater than is typically acknowledged."

**In Memory.** Oh, Pat, you would have a field day with this newswire! A relentless data gatherer, truth seeker, amazing communicator and reporter,

our dear friend and colleague [Pat Korten](#) (who we were able to lure out of retirement to help us with writing, editing and policy guidance, after having spent more than 30 years in the communications field), left us unexpectedly and far too soon last week. He would have edited this piece with depth and perfection, attributes he offered to us and to so many others in all his deeds. We will miss him, but know his abundant qualities are now being deployed by God.

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Washington, DC 20036

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**From:** Citizens for Community Values

**Sent:** Thursday, April 5, 2018 9:28 AM

**To:** Rep88

**Subject:** Growing Stronger: CCV Team Grows with Addition of New Executive



## **CITIZENS FOR COMMUNITY VALUES**

Since 1983 | [ccv.org](http://ccv.org)

### **Citizens for Community Values Adds Curtis Wilson to Growing Team to Serve Churches & New Ministry Partners**

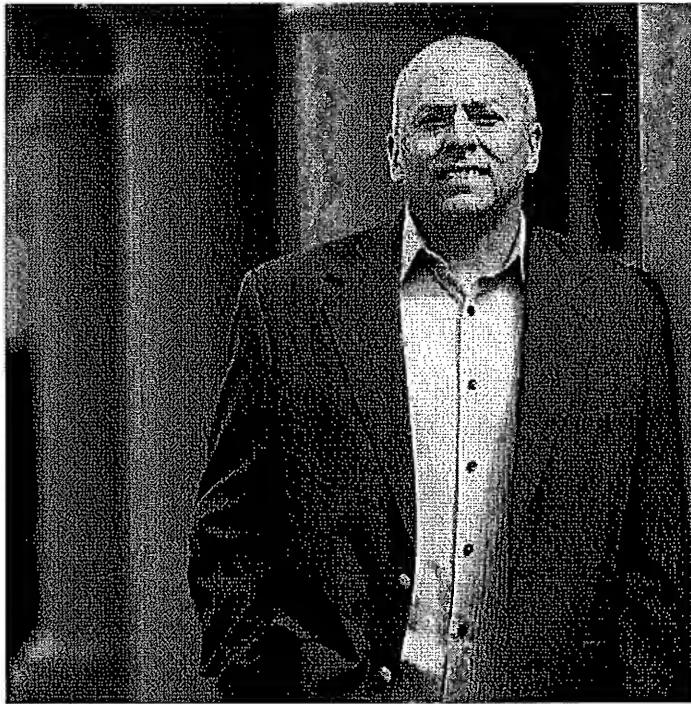
Citizens for Community Values announced that Curtis Wilson has joined the team as Vice President of Advancement. In the role, Curtis will spearhead CCV's efforts to support and serve Ohio churches, build strong ties with community allies, and cultivate support with families throughout the state who financially support the ministry.

"CCV is in a season of growth," said Aaron Baer, President of CCV. "We're on a mission to do justice in Ohio – to protect religious freedom, to build up families, and promote the dignity of life. The need for this mission grows daily, and adding Curtis to the team enables us to expand our work today, and ensure we'll be there tomorrow."

Curtis brings a unique skill set to CCV. Having worked in major donor development at Americans for Prosperity, and with churches throughout the world as a Global Engagement Officer with One Child Matters, Curtis will be reaching out across the state to come alongside churches and supporters.

"CCV is in a special position to transform Ohio for generations. You see real change when you empower the church to be a voice for freedom, life, and righteousness in Washington DC, at the Statehouse, at city councils, and at school boards. This is a message I'm thrilled to be taking to all corners of Ohio: come see all the good we can do when we stand up together," said Curtis Wilson.

Curtis will be leading a new project of CCV's called *The Daniel Initiative* to serve and empower churches to be light across the state and in their communities. More details on this revolutionary project will be released in the coming months.



[Read the Online.](#)

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**From:** CSIZMADIA, Christine

**Sent:** Tuesday, April 10, 2018 5:11 PM

**To:** Rep91; Rep48; Rep76; Rep30; Rep37; Rep03; Rep04; Rep88; Rep89; Rep05; Michael.dittoe@ohiohouse.gov; asarko@ohiohouse.gov; Ryan.71st@gmail.com; Lenzo, Mike; andrea.hofer@ohiohouse.gov

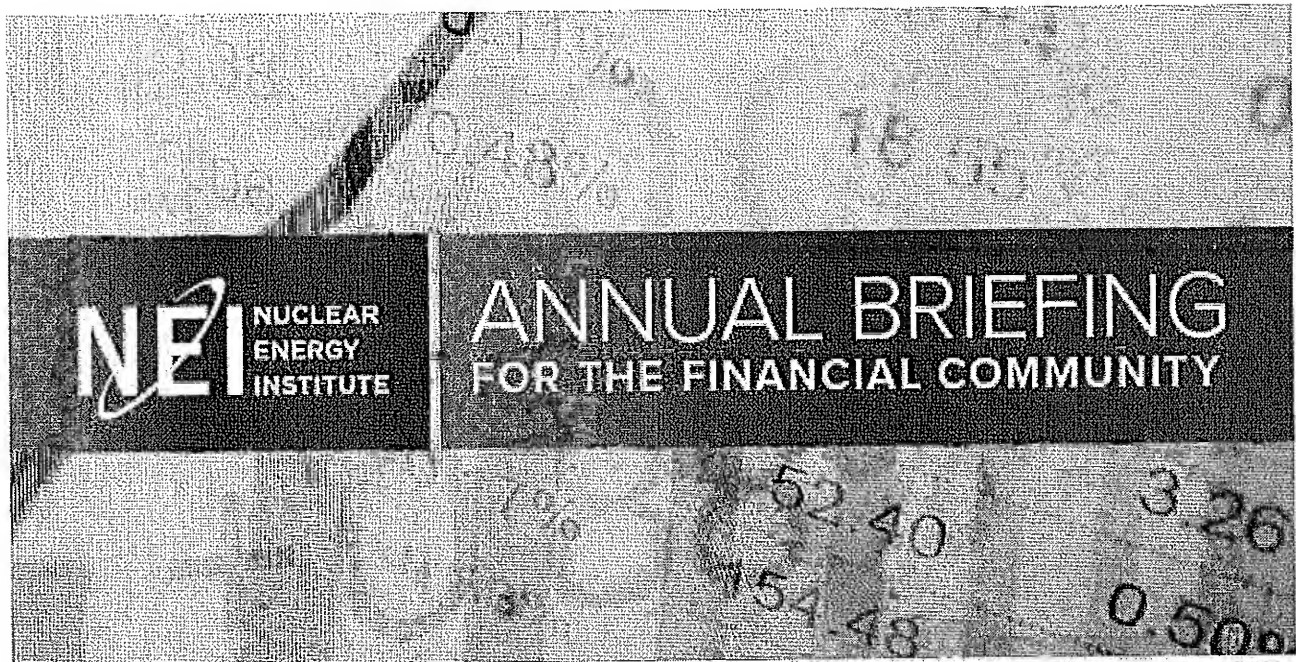
**Subject:** Watch, Participate in Nuclear Energy Financial Analyst Briefing on April 12

Greetings fellow graduates of the Lincoln Leadership Institute,

I do hope you will be able to participate in NEI's annual webinar briefing on the nuclear energy industry and I hope to hear from you.



Christine Csizmadia | Director, State Government Affairs & Advocacy  
1201 F Street, NW, Suite 1100 | Washington, DC 20004  
P: 202.739.8033 M: 202.352.3489  
[nei.org](http://nei.org)



**Tune in at 10 a.m. ET on Thursday, April 12**

Maria Korsnick provide Wall Street analysts with a status update on nuclear energy in America, followed by Q&A.

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Do you have a question for the briefing Q&A?

Send your question to [annualbriefing@nei.org](mailto:annualbriefing@nei.org), or  
include it in the Facebook Live comments.

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[illegible]

**From:** Rep88  
**Sent:** Friday, April 13, 2018 4:34 PM  
**To:** Cicchillo, Joseph  
**Subject:** FW: Wind News - Ohio Setbacks in Play  
**Attachments:** mime-attachment.jpg; mime-attachment.jpg; mime-attachment.jpg; mime-attachment.jpg; mime-attachment.png; mime-attachment.jpg; mime-attachment.jpg; mime-attachment.jpg

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**From:** Rep30  
**Sent:** Wednesday, April 12, 2017 7:51 AM  
**To:** Rep84 <Rep84@ohiohouse.gov>; Rep88 <Rep88@ohiohouse.gov>; Rep82 <Rep82@ohiohouse.gov>; Cliff Hite (LIO) <Hite@ohiosenate.gov>; Beagle@ohiosenate.gov; Balderson@ohiosenate.gov; Frank Strigari <Frank.Strigari@ohiosenate.gov>; Lehman, Ryan <Ryan.Lehman@ohiohouse.gov>; Kasych, Shawn <Shawn.Kasych@ohiohouse.gov>  
**Cc:** Dumski, Allie <Allie.Dumski@ohiohouse.gov>; Benjamin, Abigail <Abigail.Benjamin@ohiohouse.gov>; Leach, Eric <Eric.Leach@ohiohouse.gov>; Emilie Regula <Emilie.Regula@ohiosenate.gov>; Ethan Zucal <Ethan.Zucal@ohiosenate.gov>; Rachael Mains <Rachael.Mains@ohiosenate.gov>  
**Subject:** FW: Wind News - Ohio Setbacks in Play

Please read every word of this long chain. There is no way on God's Green Earth that we should even consider for a millisecond changing the wind setbacks in the budget. Any of you that want to discuss this topic, I am game but not in the budget and the ardor to change them should be tempered by what you read below.

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**From:** Kevon Martis <kevon@kevonmartis.com>  
**Date:** April 11, 2017 at 9:04:53 PM EDT  
**To:** julia johnson <juliejohnson@ctcn.net>, "Seitz, William" <william.seitz@dinsmore.com>  
**Subject:** Re: Wind News - Ohio Setbacks in Play

A "flier"???? IT's from the f\*\*\*\*\* Michigan State University Extension, Greening Michigan Institute, Government and Public Policy Team!!!! That's the best they have?



MSE extension educates every planning commissioner in the State of Michigan!

Sorry...tired.

On 4/11/2017 8:52 PM, julia johnson wrote:

Friends,

We regret that a series of computer malfunctions left us out of communication over the past two weeks. During that time the wind industry lobby has been working to get the Ohio Senate to insert a provision in the budget bill rolling back the current property line setback. At the same time, Rep. Bill Seitz has suggested that some kind of compromise on setbacks may need to be inserted in the mandate repeal bill (HB 114) when it is considered in the Senate. Seitz tells us that might be the cost of getting a veto-proof majority of Senate votes necessary to override a veto by Governor Kasich. As we understand it, a setback-related amendment to HB 114 would give township trustees the power to override current setbacks. When asked about conflicts of interest, Rep. Seitz said, *"Under my proposal, the trustees could not vote if they were participating leaseholders. My guess is that letting the trustees override the state setbacks would not result in much change as the people in the township would likely pressure them to not approve it."* What we do not know at this point is whether the township trustees would be given the opportunity to lengthen setbacks as well as shorten them.

AWEA and the environmentalists are working hard to reverse protective setbacks. What we hope does not happen, is that the current setbacks are changed AND the township trustees are given authority to put them back only to preexisting property line measurements. There seems to be no dialog on noise or shadow flicker just distance.

In the meantime, during the past two weeks the press has reported setback controversies in Michigan, South Dakota,

Rhode Island, Minnesota and Colorado. And those are just the stories we noticed.

We also draw your attention to the LeedCo Icebreaker project (aka taxpayer boondoggle) in Lake Erie. The OPSB did not accept the application as complete and has requested the LeedCo resubmit. Today the American Bird Conservancy wrote in the Chicago Tribune that all turbines should be kept out of the Great Lakes due to enormous projections of migratory slaughter. We understand that many, many people wrote comments in opposition to the LeedCo project. Now that the application must be submitted, we are told all those comments will be lost and the public will have to start over.

We are glad to be back on line and urge everyone to call their local legislators to counter the spin coming from AWEA. Cut and paste the articles about problems in other states to demonstrate these problems are real.

Diane and Julie

PS We include at the very bottom a profile of first term Ohio Rep. Craig Riedel from Defiance.

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Ohio Statehouse News

April 11, 2017 OHIO

## **Wind, Environmental Groups Eyeing Senate For Budget Amendment To Reduce Wind Setback**

A coalition of wind energy advocates is laying the groundwork for a budget effort to reduce Ohio's turbine setback once the two-year spending measure arrives in the Senate.

Advocates said in interviews they believe senators are more amenable to their proposal to revert the setback to what it

was before lawmakers increased it to 1,125 feet in a 2014 mid-biennium review budget bill, effectively killing new wind farm development.

At the same time, members of both House caucuses submitted proposed budget amendments last week offering several options to reduce the current setback.

A proposal from Rep. Bill Reineke (R-Tiffin), for instance, would reduce the setback to one-and-a-half times the height of the turbine. Although not as lenient as the pre-2014 setback, he believes it's a "good compromise" between the two sides.

"Wind is a big resource in my district and I've had a lot of requests for those setbacks to be looked at," Rep. Reineke said. "It increases it slightly over what it was pre-2014. And it changes some of the hearing requirements for the neighbors to be able to sign off if they would choose to do so. It gives it a little bit more flexibility."

Rep. Reineke said he believes there's an appetite in the House to reexamine the issue.

Whether any of those amendments will make it into the House's substitute budget (HB 49) bill expected to be unveiled April 25 is yet to be seen. But even if the House chooses to pass on the issue, advocates believe the Senate may be more willing to act.

"I certainly think there's a possibility of it (happening)," said Dayna Baird Payne, who represents the American Wind Energy Association and other proponents. "I think there is some openness in the Senate currently."

She credits much of that openness to Sen. Cliff Hite (R-Findlay), whose district would likely contain any new wind development. But advocates say the Senate overall has greater institutional knowledge of the issue and offers an easier route to generate a consensus given its smaller size.

"I think there's some understanding on that leadership team this is an issue about economic development and removing an artificial market barrier," Ms. Payne said. "If a company wants to build a wind project, locals want that

project and an end user wants to purchase that wind, this stands in the way and prevents it."

The Sierra Club and the Ohio Environmental Council are among other groups hoping for a setback change in the Senate. At the same time, they continue pushing back against a Michigan State University document some Republican representatives have said justifies an additional increase in the setback.

Rep Keith Faber (R-Celina) and Rep. Bill Seitz (R-Cincinnati) have repeatedly pointed to the document in recent weeks, saying that if the legislature really wants to take the issue back up it should increase the setback to 2,500 feet.

Wind supporters, though, point out that what the lawmakers have called a "study" is referred to as a "flier" by its author and that it states a setback equal to the tower's height would be adequate. Under that rationale, they said, the state's previous setback would suffice.

"We're watching this issue," OEC General Counsel Trent Dougherty said. "Obviously, we don't believe there should be even more of an increase...so we're watching for that and expressing our opposition."

Sierra Club Ohio Chapter Director Jen Miller called the idea "ridiculous," since turbine development has already come to a virtual halt under the current setback.

"Eighty percent of wind in Ohio is actually serving markets outside of Ohio," Ms. Miller said. "We should just be fixing our problem now. We've already zoned ourselves out of the wind business."

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<http://www.marion-press.com/2017/03/wind-turbines-unsafe-at-any-distance/>

The Marion Press - MICHIGAN  
Tuesday, April 11, 2017

**"Wind Turbines: Unsafe at any distance"**



Dear Editor:

Last December, one of the turbines at the Stoney Corners wind facility burst into flames and was completely destroyed. Black smoke darkened the sky and heavy winds spread ash and burning particles on fields and properties nearby. For days the acrid odor of smoldering composites lingered in the air and seeped into my home along with several other homes in the area of the fire.

By the next day, what was left of the turbine was hauled off and some of the contaminated top soil was bulldozed into a pile where it still sits, three months later. What assurance is there that contaminants from the burned turbine are not filtering into the groundwater below?

Heritage Sustainable Energy, who owns the project, told the local press that turbine fires have never happened before in McBain. That may be so, but as a wind developer, Heritage is well aware that fire is the second largest cause of turbine failure worldwide and the problem is growing. Heritage touts wind power as clean and emission free but no one ever mentions the toxic pollutants released when the blades and other parts of the nacelle are ignited or the hazards of inhaling the gas and particles emitted by the fire.

"More than ten of the 28 Heritage turbines are sited within two miles of my home with the closest just 1700 feet away." Back in 2008 when I agreed to sign a contract with Heritage, something I deeply regret, no one informed me of the dangers of living so close to the spinning towers. I can tell you first hand that wind turbines are not safe for humans, animals, birds of all sorts, the environment, or your electric bill. They are Not Green, Not Clean and Not Cheap.

If the state and its legislators continue to blindly insist that wind turbines are safe, they should advocate projects be sited on State and Federal land away from communities where they pollute our countryside and put people and property at risk.

There are alternatives to wind power that do not carry the same dangers and that are safer for humans, animals, birds and our countryside. Be warned and say "no" to wind power in your community.

***Dianne Ziegler***

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<http://www.faribaultcountyregister.com/page/content.detail/id/512142/Fighting-the-winds-of-change.html>

## **Fighting the winds of change Pilot Grove Township residents want stricter wind ordinance**

**April 9, 2017**

Cody Benjamin - Register Staff Writer Faribault County  
Register **MINNESOTA**

When the Coalition for Rural Property Rights stormed the Faribault County Courthouse on Tuesday, it was not an officially licensed organization.

But in claiming support from nearly 90 percent of Pilot Grove Township residents, overflowing the county commissioners room with agricultural advocates and literally standing in unison to plead for greater setbacks and a more restrictive ordinance pertaining to wind turbines in the county, it made its stance as official as could be.

The Coalition brands itself as "a group of Iowa landowners standing against the encroachment of industrial wind installations," but its representatives at Tuesday's meeting mostly identified themselves as Pilot Grove residents particularly ones perturbed at a Rose Lake Wind Project proposed by the independent power producer EDF Renewable Energy.

The Faribault County Board meeting room was overflowing last Tuesday, when residents of Pilot Grove Township and others testified before the commissioners about their concerns about wind turbine development. With at least four locals reading prepared statements, several others chiming in from behind walls of other guests

and the County Board forced to oversee crowded seating arrangements as much as the discussion at hand, the Coalition prefaced a visit from EDF's Shanelle Montana, a senior project developer, with adamant requests for a crackdown on turbines.

Not one of the guest speakers denied the financial benefit of wind generation, which Montana went on to crown as "an additional resource" for "cheap electricity" and therefore an obvious draw for local businesses. But complaints of everything from noisy turbine malfunctions to an alleged ignorance of the county's agricultural roots rang loud and clear as the Coalition suggested the commissioners adopt the Goodhue County wind-structure ordinance, which enforces greater setbacks than that of Faribault County's renewable energy restrictions.

Paul Carr, who said he has mostly been a lifelong Pilot Grove Township resident, helped kick off the campaign. "I come here," Carr said, "representing and on behalf of about 88 percent of Pilot Grove Township residents, who have signed a petition to increase a setback of commercial wind generators to non-participating residences."

Saying that current setbacks, which dictate that wind turbines can be placed roughly 1,000 to 1,500 feet from such residences, are "not far enough to prevent material harm" such as added noise, shadow flicker and "a complete change of environment," Carr asked that local constituents be prioritized over the economic boosts of projects like the one proposed by EDF.

Montana later countered by suggesting the EDF project, which would span from Pilot Grove Township into Martin County, would not begin taking shape until 2020. By that point, such a project would not be federally subsidized, therefore potentially lessening the financial burden on local communities.

**But concerns remained.**

"Most object to an object roughly the size of a Boeing 747, over 400 feet in the air and constantly moving, being placed within 1,000 to roughly 1,500 feet of them," Carr said. "Without more setbacks for large wind turbines, the county may find itself with more money to spend on a public garage (only) to serve its fewer residents."

Carolyn Zierke, a local agronomist of 25 years, wondered aloud why counties, especially Faribault County, would even consider uprooting or impeding upon signature farmlands for the sake of wind projects.

"Why are counties overlaying an industrial zone on top of a productive agricultural zone?" she asked. "A turbine is not a piece of farm equipment, and it is not a farm structure."

Dan Moore, once a director of project development for Renewable Energy Solutions and one of the developers behind Blue Earth's Big Blue Windfarm, agreed.

"I sat here in this same seat 14 years ago," Moore said, referencing a decades-old visit to the County Board regarding turbine development. "Today, I am here as a retired wind generator developer ... and I am asking for the adoption of the Goodhue County ordinance."

Reviewing his own history in campaigning for wind energy, Moore reminded the board that he helped other turbines, including those at Winnebago's Corn Plus ethanol plant, come to life.

But after discovering some of the faults of turbine projects, particularly noisy side effects, he made it clear Tuesday that he was standing with none other than the waves of Pilot Grove people behind him.

"Had I known they would be this noisy, guys," he said, referring to the Big Blue turbines, "listen, I would never have started developing that project."

Producing an apple from his shirt pocket and leaving it on the guest podium in front of the commissioners, Moore asked the board to overlook promises of more money for the concerns of the rural residents.



"Don't get mesmerized by the apple money," he said.  
"Don't let the illusion of big money generated by these big machines cloud your judgment in protecting the residents who are forced to live around these big machines. These are the families that have elected you guys to protect them, so please don't bite the apple."

Others reiterated the alluring, albeit apparently deceiving, role of money in the matter.

"In the end, it seems like the money always wins," one man said from the mass of guests, saying the county already houses 22 industrial-sized turbines. "EDF is on the agenda after us, and I'm sure they're going to tell you how great this is, how every project they've built has left counties rich and happy, because that's what this big push for wind is all about money."

When Montana, of EDF, was finally summoned to speak, weaving through the crowd of standing guests to make herself seen, she did not ignore money's part in the discussion.

But her first point centered on the fact that EDF will not pursue any project, let alone one that allegedly threatens the well-being of nearly an entire township, without the community's support.

"I'm not here to shove a project down anyone's throat," Montana said, recounting her own upbringing as a "farm girl." "I'm just here to present something. We're only here if we have a willing partner, and that partner is a community."

Claiming that the state of Minnesota already owns some of the strictest wind turbine setbacks in the country, Montana assured some of the concerned residents that if any malfunctioning or noisy structures reached certain decibel levels, they would be shut down.

"A decommissioning plan is required with these projects," she noted.

All things considered, Montana still urged the commissioners to weigh their options. "This is up to the community," she said. "I just want you to know that if you have an additional setback, I cannot efficiently and effectively develop a low-cost project."

Pilot Grove visitors flocked to the EDF developer after departing the commissioners room, some alleging that a February public meeting on the proposed turbine project was available through "private invitation only," and others saying they heard EDF partners are contracted not to speak negatively about polarizing projects.

But more talks regarding the future of the project, and the ordinance that might inhibit it, are on the docket.

Commissioner Greg Young, who acknowledged most of the concerns stemmed from a township he represents, agreed with board chairman John Roper that a work session with the county's Planning and Zoning department was in order. A unanimous vote by the commissioners then scheduled that session for April 18, immediately following the board's next regular meeting.

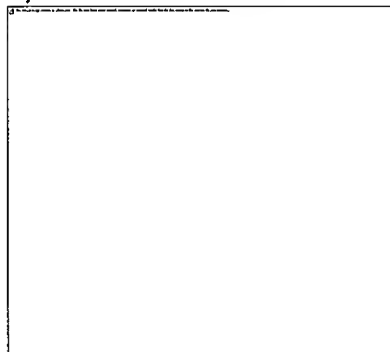
And now, having shared or considered opinions from both sides of a windy spectrum, the county, Montana and the Coalition for Rural Property Rights wait.

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[http://www.starbeacon.com/news/local\\_news/conneaut-wind-turbine-facing-uncertain-future/article\\_2ca4767c-b0e9-5bd2-9215-22d8377023fc.html](http://www.starbeacon.com/news/local_news/conneaut-wind-turbine-facing-uncertain-future/article_2ca4767c-b0e9-5bd2-9215-22d8377023fc.html)

### **Conneaut wind turbine facing uncertain future**

**By MARK TODD OHIO**



WARREN DILLAWAY | Star Beacon

An arm of a Conneaut Harbor wind turbine was severed by lightning last month.

CONNEAUT — A wind turbine severely damaged by lightning late last month is facing an uncertain future on Conneaut's lakefront.

At Monday's City Council meeting, City Manager James Hockaday said the turbine's owner, NexGen Energy, wants a long-term renewal of its contract with the city before it will proceed with repairs.

The 400-kilowatt turbine was constructed in January 2010 to provide some of the electricity used by the city's sewage treatment plant. On Feb. 25, lightning blew apart one of the turbine's blades. A power surge from the blast also damaged some equipment and fixtures inside the plant.

A contract with NexGen obliges the city to buy electricity generated by the turbine for 10 years. The contract expires in 2020.

Hockaday said NexGen estimates repairs to the turbine will cost \$250,000. To make the fix-up financially feasible for NexGen, the company would require an extension to its contract with the city, he told council.

A contract proposal is being prepared and will be shared with council when it's delivered, Hockaday said. If no agreement on a contract extension is reached, the city would ask the turbine be disassembled and removed.

NexGen said the damage to the turbine was among the most severe the company has experienced, Hockaday said Monday. The extent of damage to the plant is still being assessed, he said.

The biggest concern is a blower motor on one piece of equipment that is not working properly.

In August 2011, 18 months after the turbine was installed, lightning damaged a blade that was replaced several months later.

A NexGen spokesperson could not be reached for comment.

Another NexGen wind turbine, a 600-kilowatt model adjacent to Conneaut Middle School on Gateway Avenue, has been idle for years. NexGen is suing the manufacturer, alleging parts were defective. The turbine, designed to provide electricity to CMS, never performed as planned since it went online in late 2009, according to the lawsuit, filed in 2013.

Repairs to the school turbine won't happen until the lawsuit is settled, NexGen officials said at the time.

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<http://gazette.com/reassurances-fail-to-convince-some-neighbors-el-paso-county-wind-farm-is-safe/article/1599581>

## **Reassurances fail to convince some neighbors El Paso County wind farm is safe**

By: Rachel Riley

March 23, 2017 Updated: March 24, 2017 at 6:21 am **COLORADO**

**Residents living by a wind farm near Calhan say the turbines are affecting their health and harming animals, despite reassurances from experts at this week's El Paso County commissioners' meeting.**

Jeff Wolfe, who lives close to NextEra Energy's Golden West wind farm, said he's experienced nausea, dizziness and migraines since it began operating in fall 2015. He attributes the symptoms to the low-frequency sound waves, known as infrasound, emitted by the 145 windmills.

"This is poisoning people. It's poisoning animals," said Wolfe, who has lived at his home between Yoder and Calhan for 20 years. He also blames the turbines for the cardiovascular problems his wife has begun to experience and the death of seven of their animals, including five dogs.

At the meeting, intended to provide commissioners and residents with an update on the wind farm, county staff and NextEra officials presented reports on the sound levels of the windmills and the flickering effect, known as "shadow flicker," that occurs when the sun shines through the turbines' rotating blades. A half-dozen residents also had the chance to air their grievances about the wind farm, approved by commissioners in 2013, which has long been a source of controversy.

Experts told commissioners that study after study has shown the infrasound generated by windmills isn't hazardous to humans, and the levels of infrasound and amount of shadow flicker created by the turbines are in compliance with local regulations and zoning rules.

John Dailey, senior business manager for the Florida-based energy company, said the company has received 83 complaints about the project since March 2015, a month after commissioners OK'd a change to the original construction plan that included a 29-mile above-ground power line.

About 70 of the complaints were made during the seven months the farm was being built and mostly involved construction-related concerns about noise and dust. Of the roughly 15 others that have been made since the \$400 million project was completed, more than half have been resolved, Dailey said.

"I think that's a pretty good track record," he told commissioners.

Assessor Steve Schleiker also presented data from June through January showing property values in the area have not fallen due to the wind farm. Properties sold within a one-mile radius of the turbines and transmission line went for prices well above market values. He also cited numbers

from the Pikes Peak Multiple Listing Service that showed that average sale prices of single family homes in the Calhan and Ramah area increased by about 45.5 percent between February 2016 and February 2017.

"Bottom line, it's all good news," he told commissioners.

A consultant with environmental engineering and consulting firm Epsilon Associates, hired by NextEra to conduct studies on sound levels and shadow flicker that were required by its agreement with the county, presented the firm's findings.

One report, which measured noise levels at 15 different locations near the wind farm, concluded that the turbines do not exceed the noise limit set by county ordinance. The second report, which used a computerized model to measure the duration of shadow flicker experienced by homes near the farm, stated that most of the homes experience less than the 30-hour-per-year maximum imposed by county regulations. The two exceptions were homes that are not included in the requirement because their owners have voluntary agreements with the company.

While research has linked high levels of infrasound to symptoms such as headache and nausea, the levels created by the turbines are too low to pose health risks, said Chris Ollson, an environmental health scientist who spoke at the meeting.

But residents who testified during the public comment part of the meeting dismissed the data, saying the infrasound and shadow flicker are still taking a toll.

"It's changed our life dramatically," said Joe Cobb, who lives close to the wind farm. "And I don't care how many experts come up here and tell me it's perfectly normal. It's not perfectly normal."

Several of the complaints the company has yet to resolve were made by people who spoke at the meeting, said Steve Stengel, director of communications for NextEra. "We will continue to seek a satisfactory resolution with these individuals," Stengel said in an email following the meeting.

Commissioner Darryl Glenn said his colleagues and county staff would review residents' concerns and some of the research that was provided by objectors.

Glenn also encouraged residents to use the formal complaint process, outlined in NextEra's contract with the county, to express their concerns about the effects of the windmills.

Under the terms of the contract, commissioners have the option to "require additional and reasonable mitigation or remedial actions" if NextEra does not adequately address complaints.

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<http://www.krdo.com/news/top-stories/calhan-wind-farm-situation-remains-unresolved/411990993>

## **Calhan wind farm situation remains unresolved**

*Nextera says turbines are within safety guidelines*

**By:** Scott Harrison

**Posted:** Mar 23, 2017 06:38 PM MDT    **COLORADO**

COLORADO SPRINGS, Colo. - An El Paso County commissioner said Thursday that safety and health concerns regarding the Nextera wind farm in Calhan may never be resolved to everyone's satisfaction.

"I don't know that it's within our authority to consider at this point in time," said Commissioner Mark Waller. "It's been approved. The process has already taken place to allow Nextera to operate a wind farm."

Ever since the wind farm opened last fall, a small but vocal group of current and former neighbors has expressed concern that noise, other types of sound called infrasound and shadow flicker from turbine blades have sickened people and animals.

"I had to move away because I was sick," said Jeff Wolfe. "My wife stays behind to care for our animals and she's getting sick. I put my life savings into our home."

Wolfe said 10 to 15 families have moved away from Calhan because of the situation.

Commissioners on Thursday held a hearing on the matter that lasted nearly four hours.



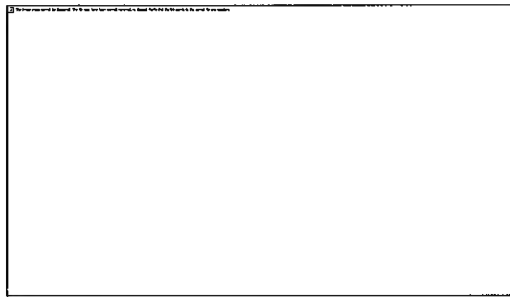
John Dailey, a Nextera spokesman, declined an interview request from KRDO NewsChannel 13 to explain what else besides the wind farm could be affecting health.

But in a presentation during the hearing, Dailey cited Nextera studies, and research from two consultants, which state the wind farm is well within the health and safety guidelines established in the company's permit from the county.

"Generally speaking, (any) complaints (or) impacts have been attributed to infrasound, which is a form of noise," he said. "We've received complaints of that nature from four or five individuals -- some of them, multiple times."

Several Nextera critics said they conducted their own research, including a study by a Boulder-based acoustics expert who suggested the wind farm should close.





Commissioners said they don't have enough information yet to decide what, if any, action to take.

"We're going to hold Nextera accountable to make sure they're meeting their obligations," Waller said. "We're trying to be unbiased about the situation. This is the first time we as a commission (with two new members) are learning about the history of the situation and the level of concern."

At an undetermined future hearing, commissioners said they want to learn more about how Nextera responds to complaints from neighbors.

Some neighbors said Nextera is slow to respond or hasn't responded at all, and criticized commissioners for their lack of action.

Commissioners Darryl Glenn and Longinos Gonzalez Jr., both asked upset neighbors to follow an established complaint process.

"It's extremely important because it's an obligation that we're held to," Glenn said. "We can't hold Nextera responsible for not doing what they're (supposed to) if the complaint hasn't been submitted (properly)."

Dailey said Nextera will work harder to communicate with affected neighbors, and that the company wants to see the results of the private research presented at the hearing.

The wind farm has 145 turbines and a 29-mile transmission line. The company sells electricity to Xcel Energy.

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[http://www.ricentral.com/coventry\\_courier/residents-complain-of-issues-with-turbines/article\\_32004724-1028-11e7-9df6-5762fa374322.html](http://www.ricentral.com/coventry_courier/residents-complain-of-issues-with-turbines/article_32004724-1028-11e7-9df6-5762fa374322.html)

## **Residents complain of issues with turbines**

Kendra Lollo Mar 23, 2017 RHODE ISLAND

COVENTRY — Citing increasing concerns from constituents in her ward regarding Wind Energy Development's newly-installed wind turbines, Councilwoman Karen Carlson made a public plea this week with town officials to "take notice and listen."

The District 1 councilwoman read excerpts of correspondence she had received from residents surrounding the turbines.

"Our dream of sitting outside behind our house enjoying some peace and quiet no longer exists," said a resident of Flat River Road. "We sit on the deck at night and all we can hear are the windmills. We open our bedroom window and all we can hear are the windmills. There is not one day that goes by that we don't hear it. The ones who benefit from it don't have to deal with the effects of these windmills."

Carlson quoted another resident of West Long Bridge Road, who said they were experiencing issues with shadow flicker from the propellers of the turbine, particularly when the sun is setting. The home owner requested that the turbines be shut down during that time on a daily basis, citing the town's existing wind energy ordinance.

"During the time of shadow flicker, the wind energy facility shall be shut down so as to eliminate shadow flicker issues," the ordinance reads. "The presence of shadow flicker shall be measured at the property boundary lines and at locations within 2,500 feet of the wind energy facility."

The ordinance also indicates that the applicant, when proposing the turbines, is required to prove that the flicker effect will not have "significant adverse impact" on the neighboring properties.

"I'd like to know what the hell we're going to do about this," Carlson said, apologizing for the language. "These are tax payers. They're not getting anything from these turbines, and it's time to take notice and listen. We need to do it now."

Carlson also pointed out that the town's own noise ordinance says that excessive noise degrades quality of life.

"For the people who move out to Greene and Western Coventry, they're out there because they want a country rural lifestyle without a lot of noise," she said.

Town Manager Graham Waters said that he has referred the complaints to the zoning department, and some even to DePasquale himself, who Waters said requested to be put in contact with residents who experience issues with the turbines.

"I've made no qualms about interfering on behalf of residents," Waters said. "But I feel that if Mr. DePasquale can intervene first and take care of their issues directly and have a direct line of conversation with them, I think that would be the most beneficial."

"We're not supposed to rely on him to do something for the residents when we already have an ordinance," Carlson replied.

Waters said that because the turbines were constructed in May of 2016 and have just recently come online, he has been referring complaints to the zoning department for further investigation.

The same homeowner who reached out to Carlson regarding the shadow flicker also informed her that water from the wetland abutting their property was backing up

and overflowing a segment of a nearby access road under which Wind Energy Development had installed a conduit for the turbines. The resident feared that the continued erosion of the road would lead to exposure of the electrical conduit which was installed in October of 2015. When the individual contacted DePasquale, they were told a depression would be made in the newly installed road to allow for proper drainage, but it was never actually made.

"The culvert that Wind Energy constructed has become blocked, causing the water to back up and flow over the road itself, washing out the dirt and gravel covering the road."

Carlson said the Department of Environmental Management was able to acquire a cease and desist notice because Wind Energy Development was not issued permits to modify the wetland in the area. She called the incident "disturbing," and asked that a town official conduct an inspection of the area.

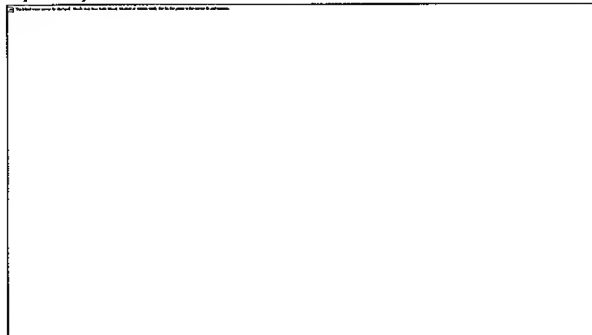
"What I would like a zoning official to go out there and finally look at this," she said. "Somebody from the town should be there checking our Chapter 200 which is our soil erosion chapter."

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<http://www.kdlt.com/2017/04/04/lincoln-county-increases-restrictions-wind-turbines/>

## **Lincoln County Increases Restrictions For Wind Turbines**

April 4, 2017 SOUTH DAKOTA  
Sydney Kern



CANTON, S.D. — It was a tough night for a company that wants to build a wind farm in Lincoln County.

County commissioners approved some zoning changes.

Dakota Power Community Wind wants to build a farm with nearly 300 turbines.

But commissioners voted to put some tougher restrictions on how quiet they have to be. Dakota Power wanted a top noise limit of 65 decibels, but commissioners set the limit at 45 decibels.

The company says that is unrealistic based on a study they conducted testing the current noise in the county.

"The noise level ranged from 36.4. DBA to 51.3 DBA, so in some areas the decibel level was already exceeded before we even did anything," says Rob Johnson, with Dakota Power Community Wind.

Commissioners also discussed a second zoning change.

This one dealt with the setback distance, which is how far the turbines have to be from public roads and homes.

The current distance is 1,320 ft., or three times the height of the turbine.

**The Planning Commission recommended increasing it to 5,200 ft., or one mile.**

The county commissioners said this decision is the toughest they'll have to make, since it could determine whether or not Canton and surrounding cities could grow in the future.

They decided to table it for now, so they can look into more research on the topic.

Dakota Power Community Wind says they can deal with the noise restrictions, though it will make their project much more difficult.

But they said if the county adds setback restrictions, then they will have to kill the project.

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<http://northcountrynow.com/news/citizens-opposed-parishville-and-hopkinton-wind-turbines-vent-pilot-tax-and-lease-agreement>

## **Citizens opposed to Parishville and Hopkinton wind turbines vent PILOT, tax and lease agreement concerns to legislators**

Wednesday, April 5, 2017 - 11:46 am NEW YORK  
By MATT LINDSEY

CANTON -- Members of the Concerned Citizens for Rural Preservation attended a St. Lawrence County Legislature meeting Monday to dispute claims made by an environmental health scientist and business developer relating to proposed wind turbines.

Four community members, Will Dailey, Lucia Dailey, Gary Snell and Lori Witherell all spoke at the meeting during a public comment period disputing claims made by Avangrid associates Christopher Ollson, an environmental health scientist, and Scott McDonald, a business developer.

Ollson and McDonald made the presentation to legislators March 27.

Avangrid, a subsidiary of Iberdrola, is heading the North Ridge Wind Farm which calls for about 40 wind towers, about 500 feet high, to be constructed on land in Hopkinton and Parishville.

The concerned citizens group opposes claims made that property values do not decrease when a wind farm moves into an area. They also say Avangrid employees have had contact with school and town officials relating to Payment in Lieu of Tax (PILOT) contracts versus taxes. Other

concerns were clauses contained in lease agreements and wind power taking money away from the Robert Moses Power Dam.

Will Dailey expressed concerns about a confidentiality clause and right to terminate clause he read in a lease between a landowner and Avangrid.

He told legislators that should landowners wish to complain publicly about issues (such as noise, visual impairment or flickering the light), that they (landowners) would have to submit complaints directly to Avangrid before it could be printed for the public to see.

"You should read the lease agreements – they are a hoot," Dailey said in an interview with North Country This Week April 5. His wife, Lucia, was also interviewed.

He says the agreements do not allow landowners to terminate their lease, but includes the option for the wind company to do so.

Mr. Dailey says an Amish friend of his bought land a few years ago that had a lease agreement. The Amish man was allegedly told by an Avangrid representative that he could in fact get out of the agreement, a contradiction of what his agreement states.

"I don't know if all of these leases are the same," Mr. Dailey said. † CNeighbors should be getting together to discuss the leases and I am not sure that is happening."

Mr. Dailey's wife, Lucia, says claims that wind farms do not decrease property values are false.

"They say there is no decrease – but when property values are going up everywhere else and remaining the same near wind farms – that shows property values decrease near wind farms," she said. So although property values may not decrease on paper, with other property values rising in other parts of the state, land near wind farms does not increase in value at the same rate, according to studies the Dailey's have read.

The Concerned Citizens for Rural Preservation are receiving help from other towns, including Vermont, Massachusetts and across the state, who have challenged wind farms or who are facing the same situation now.

"Other communities (that have wind farms) are coming to us with information about the health effects from the turbines," Mrs. Dailey said. "A couple in Vermont were forced to abandon their home because they couldn't stand them anymore."

She also said people from nearby Chateaugay have approached the group warning them about property values. The couple claims that they have been unable to sell their home for anything close to what they put into it, all because of wind turbines in the area..

Mrs. Dailey says that Avangrid officials have informally contacted local officials about PILOTS. According to Mrs. Dailey, Avangrid representatives stated they have not had contact with local officials. She says Parishville Town Supervisor Rodney Votra said he was approached about PILOTS. He allegedly made the comment at a town hall meeting.

"We are pretty sure," Avangrid has had private, individual meetings with the superintendent and the Hopkinton town supervisor, she said.

Mrs. Dailey said she believes school and town officials saw PILOTS as free money if the project does happen. She says information they've gathered shows that PILOTS would not provide the same financial gain for the area as taxes would.

Staying with the financial impact on the region, Mrs. Dailey says wind turbines would have an impact on the Robert Moses hydropower dam in Massena.

Mrs. Dailey says she was going door-to-door discussing wind power and a power worker told her the power dam would have to cut back its production so it would not overload the grid.



She says studies have shown that wind turbines generally produce just 20 to 25 percent of their capacity. "It is unreliable and not that efficient." "Why take on a project that pays taxes to basically offer a subsidy to the wind company," Dailey asked.

Mr. Dailey said it was "nice of the legislators to put up with the public coming to meetings." "I am hopeful they (legislators) will bring themselves up to speed."

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<http://www.fairmontsentinel.com/news/local-news/2017/04/06/citizens-oppose-wind-farm-project/>

## **Citizens oppose wind farm project**

Apr 6, 2017

**Anna Boettcher Staff Writer MINNESOTA**

BLUE EARTH — Representatives of the Coalition for Rural Property Rights spoke before the Faribault County Commission this week, presenting opposition to a proposed industrial wind energy installation in the county. Citizens packed the commissioners room at the Courthouse to voice their concerns regarding placement of wind turbines.

The current setback for non-participating residences is 1,000 feet. The average rotor diameter of wind energy turbines has been steadily increasing, leading many citizens to believe the current setback requirement is not enough to protect non-participating lands and residences.

The Coalition requested that the board consider increasing setbacks from non-participating dwellings to 10 times the rotor diameter of the wind turbine to be installed, which is comparable to the ordinance adopted in Goodhue County.

Many of these Faribault County residents believe the placement of the wind turbines is infringing on their rights. Community members discussed several points regarding the wind turbine placement, including limitations on hunting rights, firearm use, agricultural prosperity and

residents' quality of life. They believe large-scale wind turbines can cause harm to people in the form of loss of enjoyment of property through added noise, shadow flicker and a complete change to their environment, which is almost completely out of their control. Most object to an object, roughly the size of a Boeing 747, over 400 feet in the air constantly moving within 1,000 to 1,500 feet of them, said one resident.

Carolyn Zierke offered her perspective on the proposed wind turbines:

*"By allowing growers to protect their crops during the most important time in a plant's life, it means, for you as a county, an additional local revenue of over \$3.8 billion by not placing 120 turbines on productive farmland ... Why are counties overlaying an industrial zone on top of a productive agricultural zone? This county has the highest producing ground in the state ... Don't compromise the soil structure that these growers have built in this county, or the investment in tile to properly drain these productive crops that we grow, because the revenue generated from the state's highest-producing county has a rippling effect on the community."*

Dan Warner also weighed in.

*"Don't get mesmerized by the apple," he said. "The apple is money. These [wind turbines] are money. Please don't let the illusion of big money, generated by these big machines, cloud your judgment in protecting the residents who are forced to live around these big machines. These same people, and these same families, who populate our schools and shop in our small towns are the ones who are trying to carve out a life out there. These are the same families that have elected you to protect them. Please don't bite the apple."*

Shanelle Montana, project developer for the Rose Lake Wind Project in Faribault County, spoke on behalf of EDF and its proposed project, defending the company and its standards. Montana said the company encourages this type of conversation, hoping the citizens' questions were answered.

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Monday, April 10, 2017

## **Conservation Groups Sue Over Proposed Turbine, OPSB Rejects Application For Offshore Wind Farm**

A pair of bird conservation groups is suing the Ohio Air National Guard to halt the proposed construction of a wind turbine near Lake Erie.

The American Bird Conservancy and the Black Swamp Bird Observatory previously filed notices they intended to sue last year.

The complaint in the U.S. District Court for the District of Columbia alleges the project will violate the Endangered Species, Migratory Bird Treaty, the Bald and Golden Eagle Protection, and the National Environmental Policy acts.

Named as defendants are U.S. Air Force Acting Secretary Lisa Disbrow, OANG Col. Andy Stephan, U.S. Fish and Wildlife Service Acting Director Jim Kurth, and U.S. Department of the Interior Secretary Ryan Zinke.

The groups are requesting the court force the government to prepare a new biological opinion, obtain new permitting under the MBTA and BGEPA laws and prepare a new environmental impact statement.

The filing argues the project will "impair the interest of" the groups and individuals who observe, study, enjoy and benefit from local birds. The project, they argue, "will be built by killing, harassing or otherwise taking birds in this unique migratory area."

The groups contend that an environmental assessment from the government shows the adverse impact the project is expected to have. That assessment states one of the project's purposes as studying the impact of wind energy

on factors including the deaths of birds and bats as the result of such turbines.

"In short, the stated purpose of the project is to observe how many birds (and bats) - including numerous federally protected species - the turbine will kill by being placed in a crucial migratory pathway and globally important bird area so that ANG can then 'make recommendations,'" the lawsuit reads.

The OANG previously determined the project would not a "significant impact" on the natural environment, according to a 2016 study.

**Icebreaker:** The Ohio Power Siting Board rejected the application of an unrelated project to construct an offshore windfarm in Lake Erie, saying the application lacked sufficient information.

The six-turbine, 20 megawatt wind farm would be situated eight miles off the Cleveland coast and would mark the first freshwater wind farm in the nation.

But in a letter from OSPB Chairman Asim Haque, the board informed project members that the group's Feb. 1 application and its supplemental application March 13 failed to comply with administrative code.

That's because the applicants referred to two memorandums of understanding that were not included in the application materials. They include agreements on monitoring the project's impact on both fisheries and other aquatic resources and on birds and bats. (Docket)

"At such time as the applicant files in this proceeding copies of these two MOUs, signed by at least the applicant and the Ohio Department of Natural Resources, staff will revisit its compliance determination," Mr. Haque wrote.

Applicants are prohibited from commencing construction on any part of the facility without a certificate from the board.

Opponents, including the aforementioned BSBO and ABC, have voiced concerns about the impact on wildlife and

argued the project could be a stepping stone to thousands of turbines constructed on the lake.

"The combined scale of U.S. and Canadian wind aspirations for Lake Erie is at least 2,700 turbines, or about 9,300 MW," the groups said in comments. "It is therefore essential that every effort be made by LEEDCo to prepare a fundamentally sound, quantitative risk assessment of mortality to bird and bat species known to be in the area, especially protected species covered by the Endangered Species Act, Migratory Bird Treaty Act and Bald and Golden Eagle Protection Act and their Canadian equivalents."

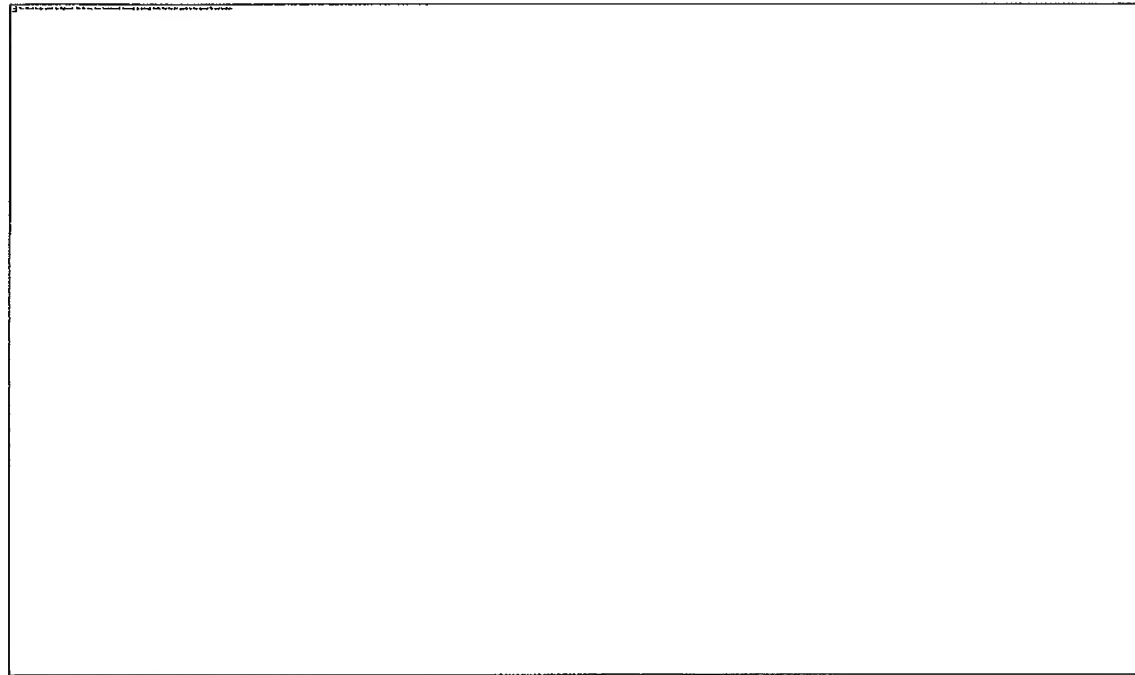
But proponents, including Sen. Matt Dolan (R-Chagrin Falls), say the project will drive economic and environmental investment in the region.

"Ultimately, Icebreaker could position Cleveland as a central North American hub for the emerging U.S. offshore wind industry," Sen. Dolan wrote in public testimony filed last month.

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[http://www.cleveland.com/neobirding/index.ssf/2017/03/birding\\_groups\\_sue\\_ohio\\_air\\_na.html](http://www.cleveland.com/neobirding/index.ssf/2017/03/birding_groups_sue_ohio_air_na.html)

## **Birding groups sue Ohio Air National Guard to block wind-turbine at Camp Perry**



The Black Swamp Bird Observatory joined the American Bird Conservancy on Monday in a federal lawsuit to block construction of a wind turbine at Camp Perry due to fears it would destroy migrating birds and bats. *(Photo courtesy of Black Swamp Bird Observatory)*

By James F. McCarty The Plain Dealer  
on March 27, 2017 at 4:35 PM

WASHINGTON, D.C. - State and national birding groups sued the Ohio Air National Guard on Monday, asking a federal court to block construction of a large wind turbine at Camp Perry near Lake Erie.

The Black Swamp Bird Observatory, based in Oak Harbor in Ottawa County, suspects the proposed wind turbine would violate the Endangered Species Act, posing as a lethal bird-killing machine for bald eagles and migrating songbirds and bats.

BSBO joined with the American Bird Conservancy to file the 31-page lawsuit in U.S. District Court in Washington.

A spokeswoman for the Ohio Air National Guard declined to comment.

"We're not aware of the lawsuit, and would not be able to comment on any litigation," said Stephanie Beougher of the Adjutant General's Department.

Michael Hutchins, director of ABC's Bird-Smart Wind Energy Program, called the National Guard turbine project a "disaster," and "perhaps the worst possible place for wind energy development."

The planned construction site is located less than a mile from Lake Erie and situated in one of the largest confluences of migratory birds and bats in the world, Hutchins said. In addition to numerous bald eagle nests, the lakeshore in that area provides passage for endangered species such as Kirtland's warbler and piping plover.

"We have many peer-reviewed studies documenting the impact of wind energy on birds and bats," said Kimberly Kaufman, BSBO's executive director. "And yet it takes a lawsuit to protect one of the most important migratory bird stopover habitats in the Western Hemisphere."

The birding groups are asking the court to halt the project until the National Guard obtains the proper permits and conducts environmental impact assessments required by the Endangered Species Act.

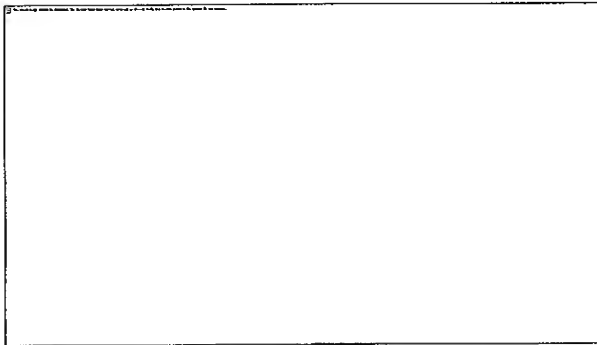
In 2014, the BSBO and Bird Conservancy successfully halted construction of the 600-kilowatt wind turbine after determining the Air National Guard had failed to obtain the proper certifications.

The National Guard subsequently completed an environmental assessment and obtained permission from the U.S. Fish & Wildlife Service, which the BSBO and Conservancy maintain are inadequate. The birding groups have cited a new radar study that shows vast numbers of migratory birds and bats move through the area, flying at altitudes that would bring them within the 198-foot rotor-swept zone of the Camp Perry turbine.

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<http://www.chicagotribune.com/news/opinion/commentary/>

## **Commentary: Wind turbines around the Great Lakes? A terrible idea for birds, bats**



Wind Power Jens  
Dresling / AP  
Wind turbines at  
Flakfortet near  
Copenhagen.

**Michael Hutchins**  
The rush is on to build  
scores of large,

commercial wind energy facilities in and around the Great Lakes, in Canada and the United States. From the proposed Galloo Island and Lighthouse projects in New York to Camp Perry and Icebreaker in Ohio and Amherst Island and White Pines in Ontario, developers are looking to flood the region with renewable energy. But at what cost?

Many see renewable energy, including wind energy, as an important way to cut our dependence on fossil fuels and address global climate change. But this "green" revolution has a dark side. Collisions with wind turbines are killing hundreds of thousands of birds and bats annually. When you include collisions and electrocutions at associated power lines and towers, the number of birds killed climbs into the tens of millions.

These impacts are likely to grow along with the number of turbines and power lines constructed, a number that is increasing rapidly. American Bird Conservancy estimates that by 2050, when wind energy is projected to produce 35 percent of our electrical energy, as many as 5 million birds per year could be killed by turbines in the United States alone.



From the perspective of wildlife conservation, the Great Lakes are one of the worst possible places to put wind energy. During spring and fall, these large freshwater lakes pose a significant barrier to birds and bats during their annual migration to and from the boreal forests of Canada where they breed. Vast numbers of birds and bats, many of which migrate at night, gather along the shorelines and eventually fly along or over the lakes. Advanced radar studies conducted by the U.S. Fish and Wildlife Service in Michigan, Ohio and New York have all confirmed the danger that large-scale wind energy development poses to migratory birds and bats in the region.

The Great Lakes themselves are also an important habitat for water birds. Lake Erie was recently designated a Globally Important Bird Area because of the large numbers of water birds that use the lake. Large-scale commercial wind turbines have the potential to threaten or displace them.

Only through proper risk assessment, siting and post-construction monitoring can such conflicts with wildlife be avoided or contained. At present, regulations governing siting are weak at best. Paid consultants to the wind industry conduct the risk assessments and also collect and report post-construction mortality data — a direct conflict of interest. Some companies have sued to keep their data secret, making public oversight difficult if not impossible.

If any area in the United States and Canada should be avoided for wind energy development, it is the Great Lakes region, one of the world's largest confluences of migratory birds and bats. The cumulative impact of the many existing and planned projects in the region could be substantial and cannot be evaluated on a case-by-case basis.

We must make clean energy a priority, but how we do it is important. Our ecologically and economically important birds and bats should not be collateral damage in our battle against climate change.

*Michael Hutchins is director of the American Bird Conservancy's Bird-Smart Wind Energy campaign.*

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Statehouse News  
April 7, 2017

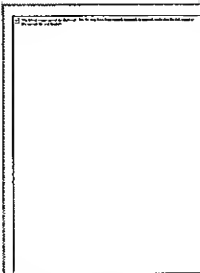
## **New Member Profile: Riedel To Pursue Decentralized Government, Competitive Economy**

Craig Riedel had longer than most freshman lawmakers to prepare for his first day in the Ohio House - something he says he didn't take for granted.

The Defiance Republican toppled incumbent Tony Burkley in the March 2016 primary and, with no Democratic challenger, got a free pass in the general election.

He used the extra time to form relationships with his new constituents and use their feedback to hone his legislative agenda, he said.

"It was very, very beneficial for me to have that time where instead of having to worry about running in the November general election I was able to focus most of my time and energy on just getting around...and getting to know more people within my district," he said in an interview.



Rep. Riedel

Rep. Riedel, 50, represents the 82<sup>nd</sup> District, which is a conservative area of northwest Ohio covering Defiance, Paulding, Van Wert and part of Auglaize counties.

He and his constituents are most interested in policies that would rejuvenate the economy in that region and the entire state, he said.

Having worked at Nucor Corporation for 27 years, the lawmaker said he'd always been focused on attracting businesses to the state and keeping them here. However, he was inspired further through his campaigning, which included knocking on about 4,600 doors.

"We walked through parts of communities that we would have never walked through. That was very sobering to me and my wife because we didn't realize the amount of poverty we have here in northwest Ohio. It's much more severe than I ever imagined," Mr. Riedel said.

"That just reinforced my passion to help people and I think I can help people by bringing better paying jobs to Ohio and northwest Ohio."

His strategies for doing so will include allowing the free market to take control and reducing "unnecessary, burdensome" regulations on businesses, particularly when they hinder growth.

Rep. Riedel said he's a proponent of right-to-work and recently introduced legislation (HB 163) that would permit cities to opt out of prevailing wage.

"It's all about making Ohio more competitive, particularly where I live up here...there are border counties with Indiana and we are in a constant battle with the state of Indiana for good paying jobs, manufacturing jobs."

When it comes to giving control back to local communities or businesses, Rep. Riedel said: "I feel that way about everything."

"I just think we govern best when more decisions are made on a local level," he said.

Rep. Riedel said he's opposed to requiring schools to implement Common Core learning standards and will do his best to ensure taxes aren't increased at the state level.

His wife of 28 years, Danette, is his best counsel when it comes to developing policy and responding to constituent concerns, Rep. Riedel said. Both have forgone other occupations to make the General Assembly a top priority for their family.

"She's been a tremendous help to me with her consultation and her outlook on things. This really is a team effort," he said.

He and his wife have two children, both who graduated from Ohio State University. An OSU alumnus himself, Rep. Riedel said his family are faithful Buckeyes fans and are football season ticket holders.

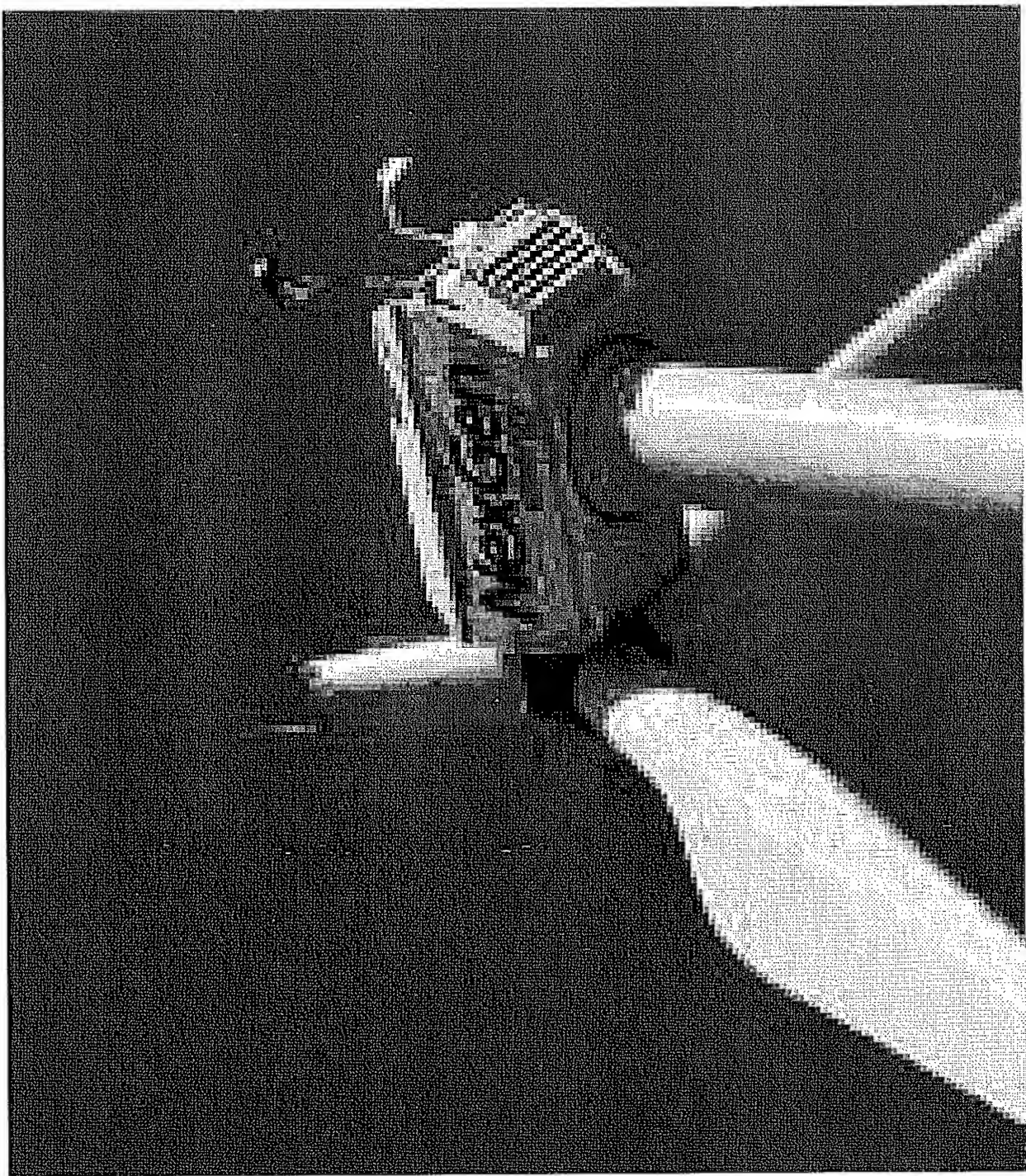


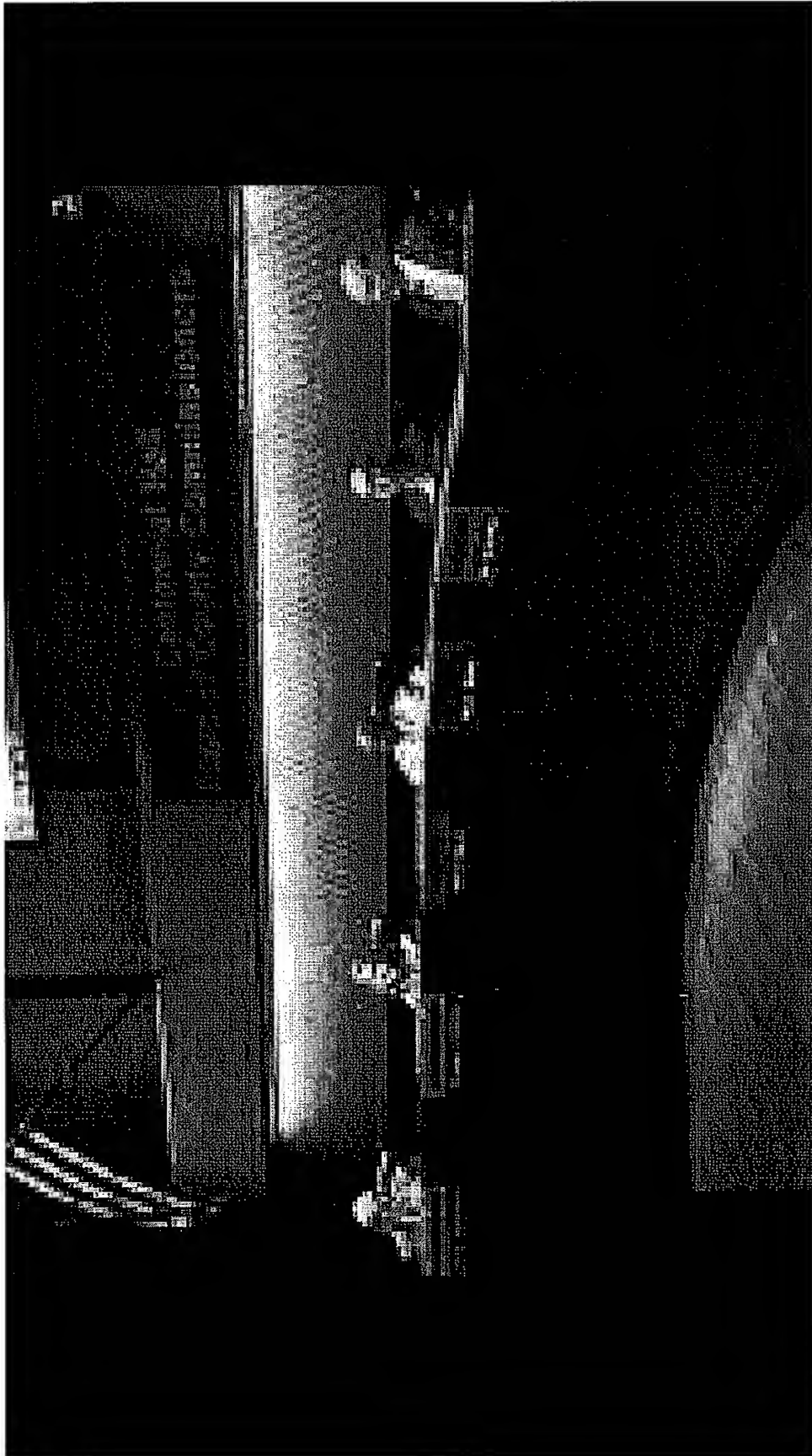
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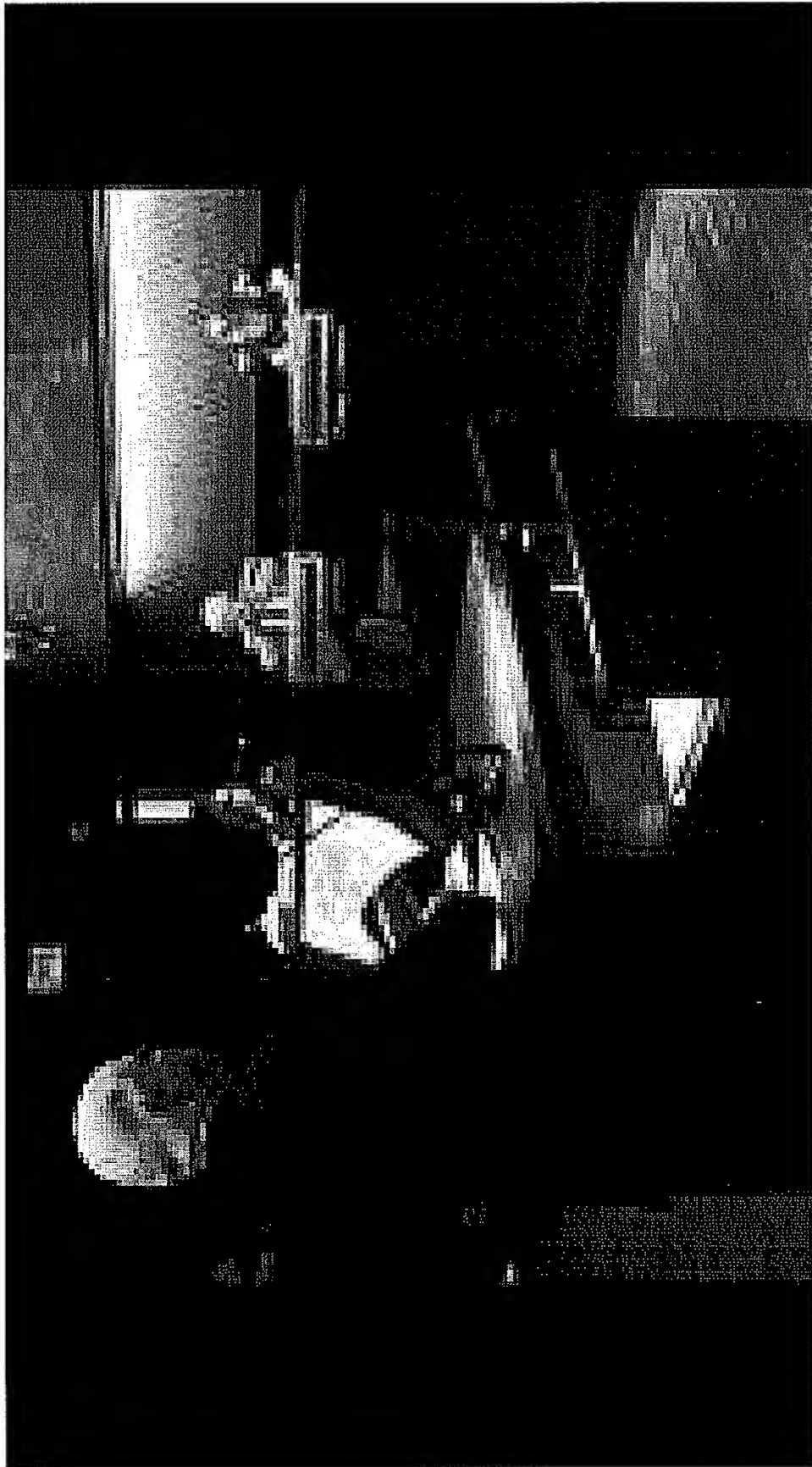
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# Letter to the Editor



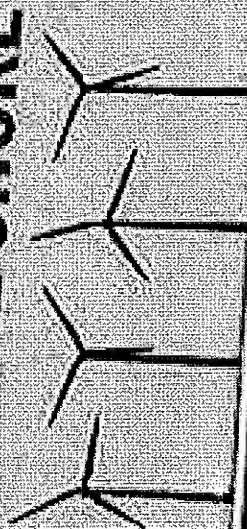








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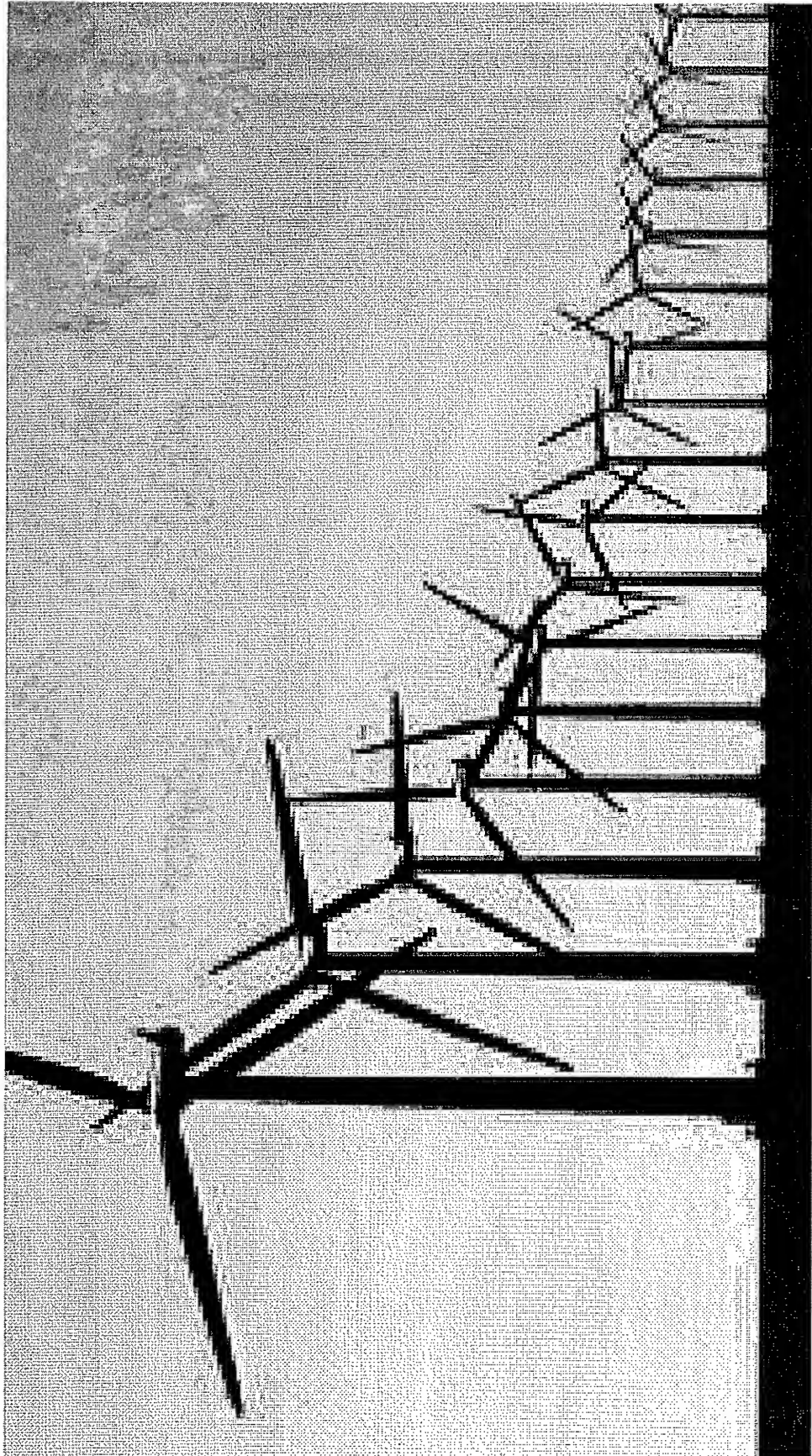


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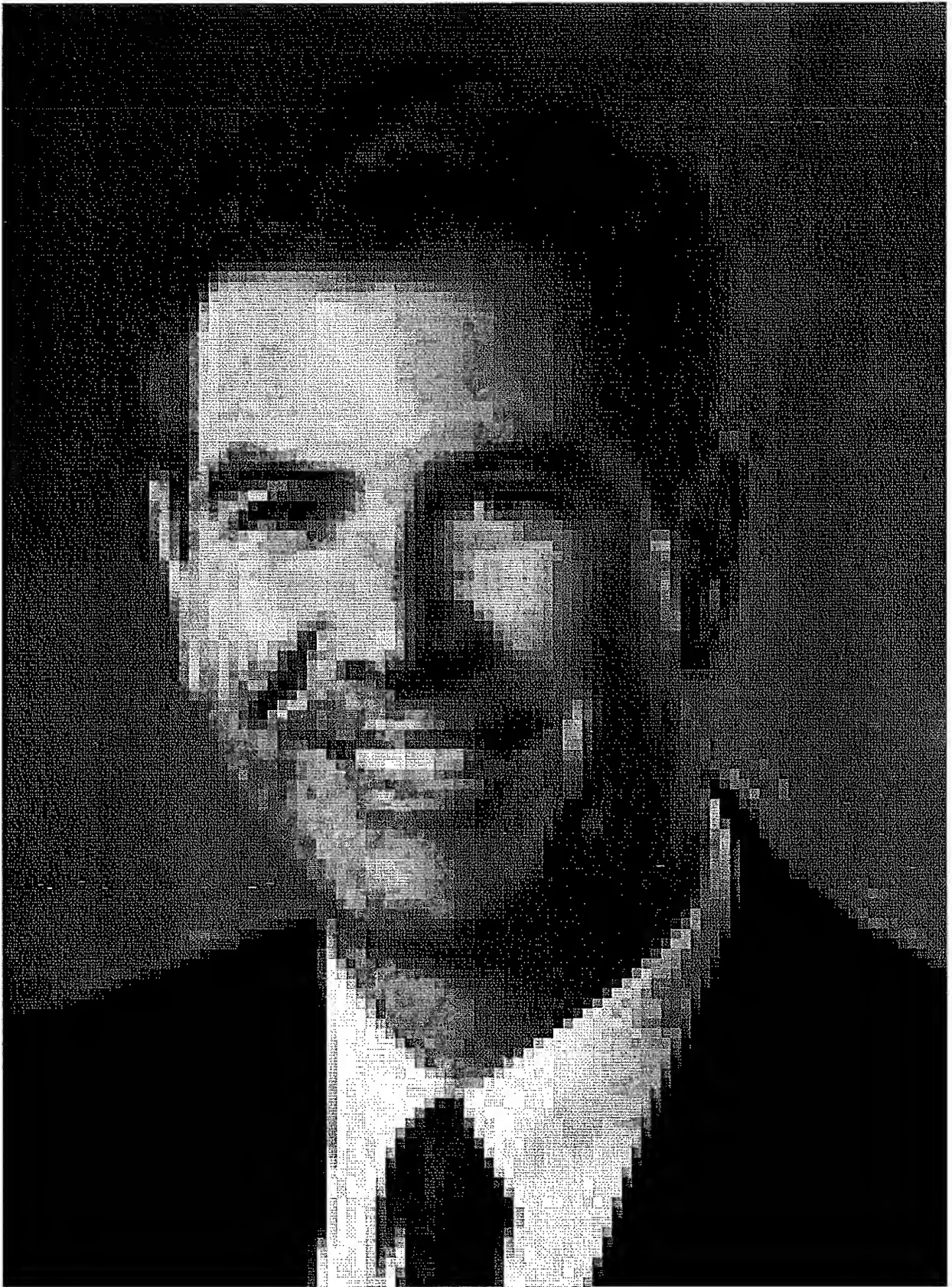
- BALD EAGLES
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**LOCATION MATTERS!**

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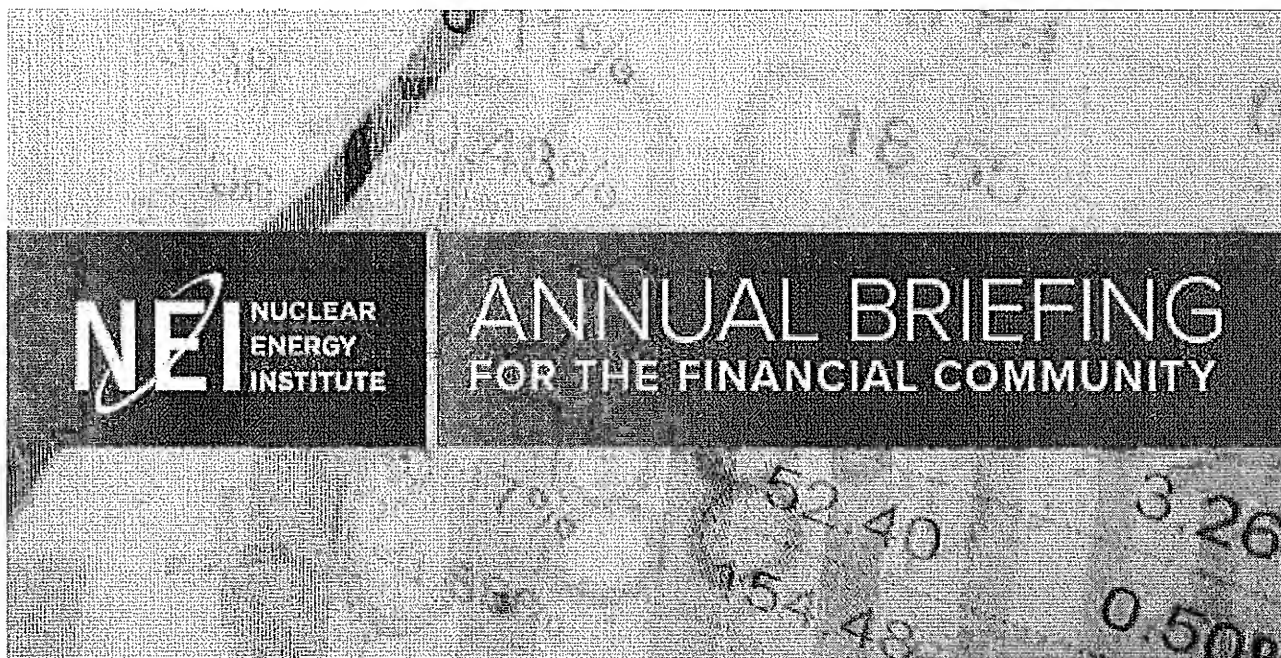


**From:** CSIZMADIA, Christine  
**Sent:** Monday, April 16, 2018 12:57 PM  
**Subject:** WRAP-UP: NEI Financial Briefing Video, Materials

In case you missed it, please find the recording and supporting materials from last week's Nuclear Energy Institute briefing. Please don't hesitate to reach out if you have any questions or comments.



Christine Csizmadia | Director, State Government Affairs & Advocacy  
1201 F Street, NW, Suite 1100 | Washington, DC 20004  
P: 202.739.8033 M: 202.352.3489  
[nei.org](http://nei.org)



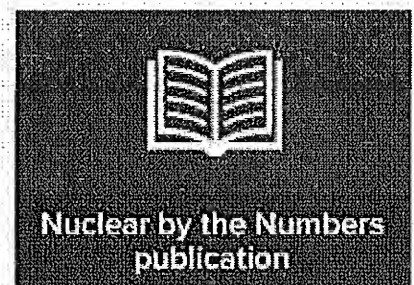
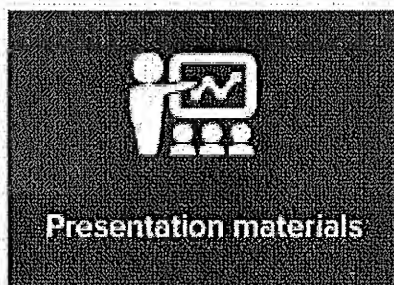
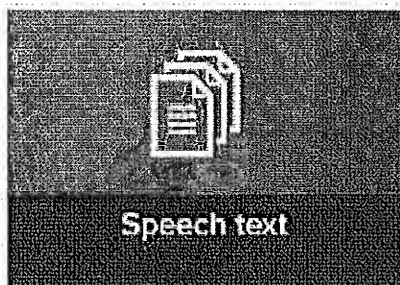
NEI President and Chief Executive Officer Maria Korsnick today held the nuclear industry's annual briefing for the financial community.

**The briefing emphasized:**

- Premature retirement of nuclear power plants jeopardizes the resilient, diverse electricity system on which we rely.

- Policy seeking to maximize carbon-free energy must include nuclear to be effective.
- The industry has identified steps that if implemented could create operational efficiencies resulting in \$1.3 billion in potential savings.
- New reactor designs are making significant progress toward commercialization.

**Materials from the briefing are available, including:**



**If you have follow-up questions about the briefing, contact the following:**

**Financial Community**  
 Matt Crozat  
 Senior Director,  
 Policy Development  
[mpc@nei.org](mailto:mpc@nei.org)

**Media**  
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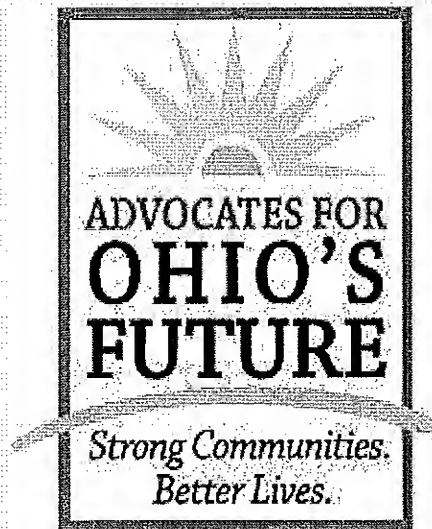


**From:** Advocates for Ohio's Future  
**Sent:** Tuesday, April 24, 2018 9:00 AM  
**To:** Rep88  
**Subject:** New Director at Advocates for Ohio's Future!

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# *Advocates for Ohio's Future is excited to Welcome new Coalition Manager Kelsey Bergfeld!*

*April 24, 2018*



[Click here to go to our website](#)



### **For Immediate Release**

COLUMBUS, OH – Advocates for Ohio's Future (AOF) is pleased to announce that Ms. Kelsey Bergfeld will become the organization's Coalition Manager on May 1.

AOF is a statewide coalition of nearly 500 local and statewide organizations that promote health and human service solutions so all Ohioans live better lives.

"I think Kelsey brings considerable advocacy and legislative experience to Advocates for Ohio's Future," said Lisa Hamler-Fugitt, the Executive Director of the Ohio Association of Food Banks and a co-chair of AOF.

Bergfeld most recently worked as the Legislative Liaison for SEIU District 1199 WV/KY/OH, and prior to that, was a Senior Legislative Aide for State Senator Tom Sawyer.

"We're excited about the experiences that Kelsey brings to the position. She has a wealth of knowledge in the legislative process and Ohio's health and human services system. Kelsey will be a great addition to our AOF team as we work to make sure all Ohioans live better lives. We look forward to her leading AOF into the future," said Mark Davis, President of Ohio Provider Resource Association and a co-chair of AOF.

In Bergfeld's new role, she will provide leadership in AOF's coalition work and policy advocacy. She will also work to develop legislative strategy for AOF and its members.

"Kelsey's understanding of the legislative landscape, certainly around health and human services programs, is very strong, and I think she is going to be a really

confident leader and a strong voice for our public policy agenda and representing our diverse coalition partners," said Hamler-Fugitt.

For more information on AOF, find us on Twitter at @Advocates4Ohio, on Facebook at Facebook.com/advocatesforohio or visit our website [www.advocatesforohio.org](http://www.advocatesforohio.org).

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[Click here to go to our website](http://www.advocatesforohio.org)

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**From:** jeannemelvin@yahoo.com  
**Sent:** Tuesday, April 24, 2018 7:30 PM  
**To:** Rep88  
**Subject:** Road Trip to Michigan?

First Name : Jeanne

Last Name : Melvin

Address : 866 Beech Drive

City : Columbus

State : OH

Zip : 43235

Phone : 614.885.4628

Email : jeannemelvin@yahoo.com

Subject :  
Road Trip to Michigan?

Message :  
Hello!

The American Legislative Exchange Council (ALEC) will hold its annual Spring Task Force Summit on Friday, April 27 at the Amway Grand Plaza in Grand Rapids, Michigan.

Will you be attending the conference?

If so, who will pay your way,

And what will they expect in return?

**From:** Brian Hicks  
**Sent:** Tuesday, May 1, 2018 8:23 AM  
**To:** Rep88  
**Subject:** Hicks Partners Newsletter



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**PUBLIC RELATIONS**

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**May 1, 2018**

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**Countdown to Ohio's Primary Election =**

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One week from today, Ohio voters will determine which candidates will face off in the race for Governor, U.S. Senate and a host of federal and state offices. As the primary election nears, the marquee races have clearly tightened. A recent poll shows Mike DeWine leading Mary Taylor by 43-26% in the GOP gubernatorial race, while Richard Cordray holds a 27.5-13% edge over his nearest rival, Dennis Kucinich. While upsets can occur, if the polls hold true, DeWine and Cordray will face off in the fall, giving Ohio voters a rematch of their 2010 race for Attorney General, which DeWine won. In the GOP Senate primary, Congressman Jim Renacci, who scored a resounding endorsement from President Trump last week, is leading a multi-candidate field with 21% to take on Senator Sherrod Brown in the general election.



Other key races to watch will be contested primaries for the 12<sup>th</sup> and 16<sup>th</sup> Congressional Districts, respectively vacated by Pat Tiberi and currently held by Rep. Renacci. There are several contested primaries for the Ohio House of Representatives that could have an impact on who will be the next Speaker of the Ohio House.

#### **INSIGHT**

The first order of business for the winning candidates for governor will be to unite their respective parties. The DeWine-Taylor race has been especially hard hitting and personal, while the Democratic primary has shown deep ideological divisions in the party. Both gubernatorial nominees will have their work cut out for them to present a unified front for the fall campaign.

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## **Ohio Tax Expenditure Review Committee**

As previously reported within *Insider*, the Ohio Tax Expenditure Review Committee awoke last month, holding its first two hearings in months. A report released by the Buckeye Institute highlighting \$1.8 billion in annual tax loopholes drew widespread attention before the first hearing. However, testimony presented on April 11 primarily focused on tax exemptions for the manufacture and packaging of tangible personal property—something not included in the Institute's report. Industry interests bemoaned the possibility that Ohio would cease to be competitive in an

environment where most other states have similar exemptions. The April 25 hearing focused on energy and commercial food tax incentives. The next hearing is scheduled for May 9.

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## EPA Omnibus Bill

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The Ohio legislature is gearing up to consider a series of environmental reforms. At the request of the Ohio Environmental Protection Agency the yet-to-be-introduced omnibus bill is expected to contain major changes to Ohio's state watersheds protection efforts, air permitting process, increased penalties for odor nuisances, and redefining "open dumping" among many other items to be included.

### **INSIGHT**

With relatively few legislative sessions days scheduled in the coming months, it is unlikely that the EPA reform bill will be passed soon. However, introduction of such a comprehensive measure signals growing desire of Governor Kasich's EPA to enact reforms before they leave office.

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## Third Frontier Opiod RFP

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Ohio's Third Frontier Program is actively seeking proposals for its Opioid Abuse, Prevention, and Treatment Technology initiative. The aim of the initiative is to accelerate the development and commercialization of promising new products that meaningfully address one or more issues associated with the drug crisis driven by use, misuse, abuse and the addictive potential of opioids. Details and more information can be found [here](#).

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## Opportunity Zone Update



Ohio is one of 20 states to have selected qualified sites for the new opportunity zone subsidy passed within last year's Tax Cuts and Jobs Act. The U.S. Treasury recently approved 320 zones in Ohio and has delegated implementation authority to the IRS. Opportunity zones will provide significant tax incentives for up to 10 years for investments made within them, so businesses stand to gain as much as the local communities themselves. To prepare for future investments, companies can view an interactive map of Ohio's selected zones [here](#).

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## About Us

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Hicks Partners, LLC is a multidisciplinary business consulting firm providing public relations, government affairs, and business development services in Columbus, Ohio and Washington, DC. We deliver powerful results for clients seeking to enhance their image, impact policy decisions and grow their bottom line.

Contact us at [Info@HicksPartners.com](mailto:Info@HicksPartners.com) or at (614)-221-2800.

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**From:** The Aerospace States Association Briefing  
**Sent:** Friday, May 4, 2018 7:57 AM  
**To:** Rep88  
**Subject:** May 4: NTSB Investigators Find Signs Of Metal Fatigue On Southwest Flight 1380 Engine

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## The Aerospace States Association BRIEFING

in affiliation with



Good morning Bill Reineke

May 4, 2018

### POLICY NEWS - FEDERAL

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#### NTSB Investigators Find Signs Of Metal Fatigue On Southwest Flight 1380 Engine.

Reuters (5/3, Wise, Shepardson) reports that federal investigators announced Thursday that the engine blade which broke apart aboard Southwest Airlines Flight 1380 last month showed signs consistent with metal fatigue. The identification of metal fatigue "could necessitate more frequent and more comprehensive inspections of these parts." The NTSB "found six crack lines on the fan blade that separated and tore through the engine's cowling," and is working to determine how long fan blades take to show such signs, as well as "whether current inspection measures can effectively detect cracks." In a statement, Southwest pledged to "continue to cooperate fully with the National Transportation Safety Board's ongoing

investigation."

USA Today (5/3, Jansen) reports that two pieces of a broken fan blade were found inside the aircraft's engine, but "other pieces dislodged the cowl that fatally damaged the wing and fuselage of the Boeing 737-700, investigators said Thursday." No cracks were identified on the remaining blades. The "majority of the front engine cowl," including the "entire outer barrel, the aft bulkhead and the inner barrel forward of the containment ring," was damaged and "knocked off the Southwest engine." The leading edge of the left wing, left fuselage, and left horizontal stabilizer in

the tail exhibited "significant impact damage," according to the investigators. A large gouge "consistent with a piece of the cowl was adjacent to row 14, where the window was missing and the passenger partially exited the plane."

ABC News (5/3, Dooley) reports that "a fragment of the engine cowling, not a fan blade," struck the window of Southwest Flight 1380.

### **US-China Trade Relationship Impacts "Key House Race" In Washington State.**

The New York Times (5/3, Kitroeff, Subscription Publication) reports that the potential impact of Trump administration tariffs on imported steel and aluminum on the US-Chinese trade relationship and on The Boeing Company are factoring into a Congressional race in Washington state's Eighth Congressional District. Boeing is likely "the American company with the most riding on a healthy relationship with Beijing" because China is projected to purchase "more than 7,000 planes worth almost \$1 trillion in the next 20 years, more than Boeing's current backlog for the entire world." Although most commercial aircraft in China currently are made by Boeing, "if the trade pressures escalate, China could choose to award more work to Europe's Airbus."

### **US Air Force Identifies Three Potential B-21 Bases.**

ExecutiveGov (5/3, Crews) reports that the US Air Force has identified Dyess Air Force Base in Texas, Ellsworth Air Force Base in South Dakota, and Whiteman Air Force Base in Missouri as "reasonable alternative" hosts for Northrop Grumman's future B-21 Raider bomber. The Air Force plans to issue a "Raider basing decision after it addresses regulatory and planning compliance requirements mandated by the National Environmental Policy Act."

## **AVIATION**

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### **American Announces \$1.4 Billion Order Of Bombardier, Embraer Regional Jets.**

Bloomberg News (5/3, Schlangenstein, Moura) reports that American Airlines "split" a \$1.4 billion order of regional jets between Bombardier and Embraer in a "push to update its short-range fleet." The carrier will purchase "15 Bombardier CRJ900 planes and 15 Embraer E175 jets, according to a regulatory filing Thursday." American also has options to buy 15 more of each aircraft. The move boosts the airline's shift toward larger "regional jets with room for two passenger classes, which better match the offerings of the airline's larger single-aisle planes." American has reduced the amount of aircraft in its fleet smaller than the 76-seat jets. The CRJ900s will be operated by PSA Airlines, while Envoy Air will operate the E175s. American will retire a "still undetermined number of 50-seat CRJ200 aircraft at PSA to help make room for the new planes." According to CIBC World Markets analyst Kevin Chiang, the order is an "incremental positive as Bombardier looks to rebuild its backlog for its legacy aircraft, and specifically for the CRJ family." The E175 deal is valued at around \$705 million at list prices, while the CRJ900 order is valued at \$719 million. Reuters (5/3) reports that American plans to take delivery of the aircraft between March and November 2019.

### **Bombardier Commits To Commercial Aerospace.**

Reuters (5/3, Lampert) reports that Bombardier affirmed support for its commercial aerospace program Thursday after announcing the sale of the Downsview assembly site for its Q400 turboprop passenger plane in northern

Toronto for \$635 million. The site is one of four assembly facilities for the aircraft. Bombardier CEO Alain Bellemare told analysts, "This (the Q400) is a product line we'll keep pushing," and explained that the sale would allow the company to "monetize an underutilized asset and optimize our business aircraft operations." D Bombardier has a backlog of 50 Q400 aircraft, which "has about 25 percent of the global market in small commercial planes, second to European rival ATR." Although the company's first quarter results showed increasing revenue at three out of four Bombardier units, the company's commercial aircraft segment posted a 12 percent drop in revenue, and the company "used \$721 million of its available cash in the quarter – more than last year."

Bloomberg News (5/3, Tomesco) reports that the deal will help Bombardier increase free cash flow, as the company "is saddled with about \$9 billion of debt from pricey development programs for the C Series airliner and the Global 7000 business jet." Production for the Q400 jet will continue at the Downsview site "for as many as three years after the land sale closes, with options for two one-year extensions." Production then will move to a site at Toronto Pearson International Airport in around three years. Bombardier "plans to open a final assembly plant for its Global business jets at Pearson and hasn't decided where to build the Q400 turboprop." Bombardier booked 31 orders for private jets in the first quarter, and BMO Capital Markets analyst Fadi Chamoun sees "encouraging signs of pick-up in demand" in business aviation.

***Planned Factory Will Allow For Increased Global 7000 Production If Necessary.*** Bloomberg News (5/3, Tomesco) separately reports that a planned factory at Pearson "will have the capacity to build as many as 100 business aircraft annually, Chief Executive Officer Alain Bellemare told shareholders Thursday." This would allow Bombardier the option of increasing output for the Global 7000 if necessary based on demand. The Global 7000 will compete with General Dynamics' Gulfstream G650, "which has reigned unopposed since pioneering the ultra-long-range category five years ago." Bombardier plans to deliver a "handful of Global 7000 jets this year and probably ship about 20 of the planes next year, David Coleal, the president of business aircraft, told reporters in Montreal after the company's annual meeting."

## **Rolls-Royce "Working Quickly" To Repair Trent 1000 Engines.**

Reuters (5/3, Young) reports that Rolls-Royce is working quickly to "repair problems with some of its Trent 1000 engines that have left planes grounded, it said on Thursday, adding it remained confident the cost would not cause it to miss financial forecasts." The company aims to have the problems fully resolved by 2022, but Rolls-Royce CEO Warren East added, "Based on where we are at the moment, we would expect to remove the aircraft on the ground situation much, much faster than 2022." The manufacturer was "questioned at its annual shareholder meeting about problems with the Trent 1000 package C," which is used to power some Boeing 787 Dreamliner jets. The issues have been a "new headache for a company in turnaround mode since 2015." The company reassured investors Thursday that it is on track to meet both free cash flow and profit forecasts. The engines' fan blades are not "lasting as long as expected, requiring extra inspections" and, in some cases, grounding of aircraft. There are 380 "package C" engines currently in service, and estimates "put the number of grounded planes at any one time at about 30." Rolls-Royce Chairman Ian Davis told investors that fixing the issues is "[t]he absolute priority for the board, the absolute priority for the company."

## **Boeing's Insitu Debuts ScanEagle3 UAV.**

FlightGlobal (5/3, Reim) reports that Boeing subsidiary Insitu debuted its ScanEagle3 UAV at the "annual AUVSI gathering." Boeing is promoting the UAV as a "primarily commercial product that is free of the International Traffic in Arms Regulations that govern its other aircraft, such as the ScanEagle2 and Integrator." According to Insitu Commercial Vice President Mark Bauman, this "enables us as, a commercial business, to access the global market more easily." Insitu believes that the ScanEagle3 could be popular with foreign military, "but is focused first on marketing the drone commercially, Bauman adds." The UAV can carry up to 20lb, more than twice that of the ScanEagle, "and up to three payloads simultaneously, which Insitu says enables it to collect and analyse more data in a single flight."

### **FBI Official: Gang Used Swarming UAVs To Attack Agents.**

The Washington Times (5/3, Ernst) reports that "criminal gangs are getting creative with drone technology to combat law enforcement's efforts to rein them in." Attendees at this year's AUVSI Xponential UAV technology conference "were given new examples as to how far criminal gangs will go to thwart authorities," and "in addition to counter surveillance measures against U.S. Customs and Border Patrol agents, a 'law enforcement-sensitive' incident last winter demonstrated offensive measures employed by criminals." According to FBI Technology Law Unit head Joe Mazel, agents were buzzed by small UAVs making repeated "high-speed low passes at the agents in the observation post to flush them."

### **Strata Manufacturing Plans To Continue Focus On Commercial Market.**

CNBC (5/3) hosts a video of Strata Manufacturing CEO Ismail Ali Abdulla, who details the company's support of The Boeing Company, Airbus, and Leonardo. Abdulla outlined the company's plans to focus exclusively on commercial components and continue a focus on maintaining gender diversity in its workforce.

### **AeroVironment Partners With FlightWave To Add UAV VTOL Capability.**

FlightGlobal (5/3, Reim) reports that AeroVironment has signed an agreement with Flightwave to "add vertical take-off and landing (VTOL) capabilities to its future unmanned aircraft." Most of AeroVironment's current aircraft are "fixed-wing drones that are hand- or catapult-launched, and are used for surveillance."

### **BAE Systems To Invest In Prismatic's Solar-Powered HALE UAV.**

FlightGlobal (5/3, Gubisch) reports that BAE Systems announced that it will invest in Prismatic's "development of a solar-powered high-altitude, long-endurance (HALE) unmanned air vehicle." According to BAE Systems Strategy Director for Air Systems Michael Christie, BAE is "keen to invest in the programme as part of our long-term strategy to explore new technologies and solutions in air and space."

### **Textron Debuts X5-55 VTOL UAV.**

FlightGlobal (5/3, Reim) reports Textron Systems unveiled its "X5-55 vertical take-off and landing engineering testbed at the AUVSI Xponential show in Denver, Colorado." The UAV was developed to meet demands "from military customers for an unmanned air vehicle that is able to nimbly take off and land vertically from tight spots, while retaining the ability to fly efficiently over long distances." According to Textron Technical Director of Advanced Product Initiatives Sean Baity, "there is more focus on manoeuvrability" as well as "independent operation in complex

terrain." The UAV uses "four independently moving electric-powered rotors for vertical and horizontal flight," and according to Baity, its vector thrust technology will allow the aircraft to operate more quickly and nimbly.

## **US Issues Formal Complaint To China Over "High-Grade Lasers= 2 Aimed At US Military Aircraft.**

The Washington Post (5/3, Sonne) reports that the US has issued a formal complaint to China ? Calleging that the Chinese military injured two U.S. airmen by directing high-grade lasers at American aircraft in Djibouti." Pentagon spokeswoman Dana White said the incidents are "a serious matter," and "we're taking it very seriously." In a briefing, White indicated that there have been several incidents, and that their frequency has increased in recent weeks. The US operates a UAV base in Djibouti, which also hosts a Chinese military base and others "from an array of countries including France, Italy and Japan."

## **United Hires Former Obama Press Secretary As Communications Officer.**

Bloomberg News (5/3, Bachman) reports that United Continental has hired Josh Earnest, President Barack Obama's former White House spokesman, "as its new chief communications officer, tasked with helping the airline work through the fallout from a series of public relations blunders." According to a statement issued Thursday by United CEO Oscar Munoz, Earnest will "play a crucial role on our leadership team as we position our brand and this company for success."

The Wall Street Journal (5/3, Cameron, Subscription Publication) reports that United is in the process of implementing an ambitious expansion plan, and also is hoping to shed its reputation for poor customer service as well as the lingering impact of several high-profile incidents aboard its aircraft.

## **FROM ASA**



### **ASA Opens 2018 Distinguished Aerospace Service Award Nominations**

The Aerospace States Association has announced it is now accepting nominations for the association's 2018 Thomas R. Hobson Distinguished Aerospace Service Award.

The award recognizes an individual who has demonstrated exemplary characteristics which bring government, industry and education together to strengthen the aerospace industry for the benefit of a state, territory or region of the United States of America. The award seeks nominees who have contributed to, and recognize, the U. S. states' and territories' fundamental and important economic role in strengthening America's aerospace prowess.

Nominations of the award are open until May 9, 2018. The award will be presented at the ASA annual meeting, hosted this year by the great State of Wisconsin, in Milwaukee, July 25-27, 2018. For more award information contact Robert Mansfield, ASA Director, National Programs at: [mansfield@aerostates.org](mailto:mansfield@aerostates.org).

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## SPACE

### **China Successfully Launches Long March Rocket.**

Space News (5/3, Jones, Subscription Publication) reports that China successfully launched a Long March 3B rocket Thursday carrying the Apstar-6C communications satellite "from Launch Complex 2 at the Xichang Satellite Launch Center in southwest China." The China Aerospace Science and Technology Corporation (CASC) "announced the success of the launch just over an hour after liftoff." The launch was China's 13th of the year, and the fifth from Xichang, "which is expected to see around 17 launches in 2018, mostly of Beidou navigation and positioning satellites." Apstar-6C joins a constellation of four satellites belonging to APT Satellite, which provides "transponder services for video distribution, broadband internet access, and cellular backhaul."

### **InSight Launch Will Be NASA's "First Interplanetary Launch" From West Coast.**

The Washington Post (5/3, Kaplan) reports that NASA's InSight spacecraft is "slated to launch early Saturday morning, carrying instruments to take the temperature and pulse of the Red Planet's deep interior." The probe will launch from Vandenberg Air Force Base in California in "NASA's first interplanetary launch from the West Coast." The mission aims to help scientists understand how the interior of Mars was formed. According to InSight Deputy Principal Investigator Suzanne Smrekar, Earth's "initial crust is essentially gone, it's all been recycled," meaning that Mars will give scientists an "opportunity to see the materials, the structure, the chemical reactions that are close to what we see in the interior of Earth, but it's preserved from the first 10 million years [of the solar system]. It gives us a chance to go back in time."

The Chicago Tribune (5/3, Khan) reports that UCLA planetary physicist and geophysicist Gerald Schubert, who is not associated with the mission explained that NASA has "never had a mission that was devoted to looking inside Mars."

AFP (5/3) reports that the InSight lander will include a "seismometer, called the Seismic Experiment for Interior Structure, made by the French space agency" that InSight Principal Investigator Bruce Banerdt has called "the heart of the mission." InSight will also include the Heat Flow and Physical Properties Package "made by the German space agency with the participation of the Polish space agency." The probe will dig "15 times deeper than any previous Mars mission, to a depth of three to five metres." According to NASA, the US spent \$813.8 million on the spacecraft and launch vehicle, while the French and German instruments cost \$180 million.

USA Today (5/3) includes a video report in its coverage.

**Fog At Vandenberg Not Expected To Delay Liftoff.** Spaceflight Now (5/3, Clark) reports that launch officials "do not expect a layer of fog expected during Saturday's two-hour launch window to prevent liftoff" of the spacecraft. The official weather outlook from the US Air Force's 30th Space Wing "calls for an 80 percent chance of violating range safety constraints related to visibility during the launch," but according to 30th Space Wing Commander Col.

Michael Hough, the launch team can meet the visibility requirement through other means. Fog is "common at Vandenberg and typically does not prevent launches."

### **Upgraded Falcon 9 Prepares For Test-Firing At KSC.**

Spaceflight Now (5/3, Clark) reports that the first upgraded SpaceX "Block 5" Falcon 9 rocket is preparing for a "crucial engine test tomorrow 7:00 at Kennedy Space Center (KSC) in Florida. The 3.5-second test firing of the rocket's engines is "due to take place during an eight hour window that opens at noon EDT." The outlet includes a "time-lapse video" of the Falcon 9 "rolling out to launch pad 39A on Thursday."

### **Orbital ATK Beats First-Quarter Estimates.**

Reuters (5/3) reports Orbital ATK announced its first-quarter financial results, posting revenue of \$1.31 billion, beating analyst estimates of \$1.14 billion. While free cash flow was negatively impacted in the quarter, Orbital ATK received new orders worth approximately \$1.95 billion, and cited an overall backlog of around \$16.6 billion as of April 1.

### **Facebook "Secretly Building" Internet Satellite.**

CNET News (5/3, Mack) reports that a "partially redacted FCC application obtained by IEEE Spectrum outlines a plan for an experimental satellite" from a "mysterious company" called PointView Tech which IEEE "goes on to connect to Facebook." The application describes a plan to "launch a satellite named Athena that would test the use of high-frequency millimeter wave radio signals." Many in the cellular industry are using the technology to "build next-generation 5G networks with more speed and capacity." A satellite broadband service "using such high-frequency signals" could potentially "outdo Elon Musk's SpaceX, which currently hopes to offer gigabit-speed through its planned Starlink service, as well as competitors like the Richard Branson-backed OneWeb."

## **MANUFACTURING**

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### **Commerce Department: Factory Goods Orders Up 1.6% In March.**

Reuters (5/3, Mutikani) reports that the Commerce Department announced on Thursday that "new orders for US-made goods rose more than expected in March, boosted by strong demand for transportation equipment and a range of other products." The department said that "factory goods orders rose 1.6 percent, the Commerce Department said on Thursday," while "data for February was revised up to show orders jumping 1.6 percent instead of the previously reported 1.2 percent increase." The increase beats expectations, as "economists polled by Reuters had forecast factory orders increasing 1.4 percent in March." Reuters adds that "orders rose 7.7 percent on a year-on-year basis in March." According to Reuters, "Manufacturing, which accounts for about 12 percent of US economic activity, is being supported by strong domestic and global demand."

## **STEM EDUCATION**

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### **Bayer Fosters STEM Learning With Young Students, High Schoolers.**



Kansas City, Missouri's [WDAF-TV](#) Kansas City, MO (5/3) reports that Bayer Pharmaceuticals joined students at Wyandotte High School to teach "younger kids what's so cool about science." Bayer chemist Quamar Salih told WDAF that the effort is meant "to further some STEM education, and provide some fun, and pique the interest of some students." In addition to the School Day at the K event for younger students, Bayer also issued a grant to Wyandotte High "for their Science Ambassador program where students learn and then present the information to students across the metro."

## THURSDAY'S LEAD STORIES

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- **Texas' Bush, Hobby Airports Take Part In LAANC Expansion.**
- **FAA: Pilot Error Behind Most Close-Calls At SFO.**
- **Airbus Looks To Trim Costs From CSeries Suppliers, Including Bombardier.**
- **GAO: NASA Cost, Schedule Performance Has "Deteriorated" Significantly.**
- **Aerospace Suppliers Exploring Blockchain Technology For Supply Chain, Parts Tracking.**

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**From:** The Aerospace States Association Briefing  
**Sent:** Monday, May 14, 2018 7:57 AM  
**To:** Rep88  
**Subject:** May 14: Judges Uphold DOT Approval For Norwegian Air To Operate In US

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## The Aerospace States Association BRIEFING

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May 14, 2018

### POLICY NEWS - FEDERAL

Advertisement

#### Judges Uphold DOT Approval For Norwegian Air To Operate In US.

USA Today (5/11, Jansen) reported that a federal appeals panel "upheld Friday the Transportation Department's approval for Norwegian Air International to serve the US." Four unions representing over 135,000 aviation workers had "challenged the decision by arguing that Norwegian was avoiding labor laws through its unusual corporate structure," but a three-judge panel on the DC Circuit Court of Appeals "ruled that neither federal law nor international agreement allowed the department to reject an airline application, if the carrier satisfied the requirements." The Department of Transportation did so in 2016. The unions have been concerned that Norwegian "represented unfair competition because it could hire crews for

lower wages." Norwegian, meanwhile, "contends it will benefit economies on both sides of the Atlantic by ordering \$18.5 billion of Boeing aircraft and hiring hundreds of US workers."

#### WTO Ruling In Favor Of US Complaint Against Airbus Expected Within Days.

The Wall Street Journal (5/11, Michaels, Wall, Subscription Publication) reported that the US is expected to win a World Trade Organization (WTO) procedural ruling as part of its dispute over the billions of dollars in European Union (EU) subsidies for Airbus. The US has argued that without \$22 billion in illegal EU subsidies, Airbus would not have

grown into a rival to Boeing. Penalties against Airbus could be as much as a billion dollars or more. The EU has filed a separate case against the US and The Boeing Company citing Pentagon and NASA funding as well as state and local tax breaks, and that case is expected to be addressed in the coming months. The WTO ruling could come as soon as Monday, and may clear the way for the US to impose penalties of several billion dollars annually against the EU

## **FAA Administrator Speaks At Uber Elevate Summit.**

Wired (5/12, Stewart) reported that FAA Acting Administrator Dan Elwell spoke at Uber's annual Elevate Summit in Los Angeles, where the ride-sharing company presented its vision of future intra-urban drone transportation networks, or "flying taxis." Among the "nearly 1,000 attendees" from various organizations and institutions, the FAA was "unlike the other participants, who were all gung-ho about the possibility of launching passenger-stuffed drones off the top of tall buildings." Instead, the FAA "stressed that compared to smaller drones, the path to regulating human flight is likely to be different, harder, and longer." Elwell said the agency will focus on safety in regulating the transport of humans via electric VTOL aircraft proposed by Uber. Elwell stated, "You have more commitment, top to bottom," at the federal agencies "to bring these technologies to viable life than I've ever seen."

Re/code (5/11, Bhuiyan) reported that Uber "wants to begin testing its flying cars in 2020 – that's two years away – and have a network up and running in some places by 2023." While "federal regulators said that timeline may not be 'too ambitious'...they wouldn't yet commit to it because they have 'zero tolerance' for any degradations in safety."

Bloomberg News (5/11, Newcomer) reported that Uber has partnered with five air taxi manufacturers, including one owned by The Boeing Company. The consensus among the companies "building flying cars was that Uber's 2023 limited commercialization deadline is aggressive, but possible."

Fox News (5/11, Salazar) reported Uber is also partnering with NASA and is "supplying information to the agency so that it can simulate the flight of a small passenger-carrying aircraft within the airspace of Dallas Fort Worth International Airport, according to two recent statements by NASA." This Urban Air Mobility project will work on "a safe and efficient air transportation system," NASA stated, "where everything from small package delivery drones to passenger-carrying air taxis operate over populated areas, from small towns to the largest cities."

## **Bolton: US May Sanction European Companies That Continue To Do Business In Iran.**

The Daily Mail (UK) (5/13, Chambers) reports that National Security Advisor John Bolton said on CNN's "State of the Union" that "it's possible" the Trump administration may impose sanctions on European companies that do not cease doing business with Iran by the end of the year. Companies in certain sectors have between 90 days to six months to "wind down operations in Iran or run the risk of facing stiff penalties now that the United States is no longer a party to an international accord that lifted sanctions on Tehran." In a statement, Rolls-Royce confirmed that it is examining "potential implications" of the US decision, adding that it "conducts business in all countries, including Iran, in accordance with all relevant UK, EU or other national sanctions and export control regulations."

## **AVIATION**

## **Iran Awaits Word From Airbus On \$20 Billion Aircraft Deal.**

Reuters (5/11, Hafezi) reported that Iran expects to hear from Airbus in the "coming days about the fate of an order for 100 planes that looks to have been wrecked by the United States' decision to reinstate sanctions on the Islamic Republic." The deal announced in December 2016 was potentially worth up to \$20 billion in list prices, but only three aircraft of the 100 have been delivered so far. The US has announced its intention to revoke the export license required to sell commercial aircraft to Iran, and although "Airbus is a European firm, its aircraft use US components and technology." According to a senior adviser to Iranian Roads and Urban Development Minister Asghar Fakhrieh-Kashan, "Airbus will announce its decision in the coming days." The loss of US export permits and "confirmation that Iran has not paid a deposit, as previously reported by Reuters, could force Airbus to tell investors the deal cannot go through."

## **Air Italy Takes Delivery Of Boeing 737 Max As Part Of Plan To Compete With Alitalia.**

USA Today (5/12, Mutzabaugh) reported that Air Italy took delivery of its first Boeing 737 Max this past Friday, the "first of 20 Air Italy has on order, part of an broader plan to grow its fleet by 50 aircraft by 2022." The 737 Max will be used for "shorter routes within Italy and Europe." Air Italy is undertaking an "aggressive growth plan" linked to Qatar Airways' purchase of a 49 percent stake in the carrier last year. Qatar Airways CEO Akbar Al Baker "has made little secret that he hopes grow Air Italy into the nation's top airline as Alitalia struggles through yet another bankruptcy reorganization." Air Italy plans to make Milan Malpensa its main hub and "plans to quadruple its fleet and passenger numbers by 2022." Air Italy also plans to maintain a "reinforced base" at Rome's Fiumicino airport for long-haul routes.

## **US Marine Corps To Take Delivery Of First Operational CH-53K This Week.**

FlightGlobal (5/12, Reim) reported that the US Marine Corps is scheduled to "take delivery of its first production version of the CH-53K King Stallion from Sikorsky early next week." The heavy-lift helicopter will be received at Marine Corps Air Station New River in North Carolina, where the "USMC said it plans to put the aircraft through its Supportability Test Plan by conducting a logistics assessment on the maintenance, sustainment and overall support of the King Stallion."

## **Spanish Union Ends Talks With Ryanair.**

Reuters (5/11, Humphries) reported that the Spanish pilots' union SEPLA has "broken off talks with Ryanair" over a union recognition agreement, and plans to file a lawsuit against the carrier over Spanish contracts. Ryanair recognized unions for the first time in December, but "while it has come to agreements in Britain and Italy, it is still working towards deals with unions in other major centers such as Ireland and Spain."

## **London Southend Airport Trials System To Detect "Rogue" UAV Users.**

BBC News Online (UK) (5/13) reports that London Southend Airport has conducted successful trials to "track and identify 'rogue' drone users" that have caused "an increased safety risk with up to four sightings in London airspace a week." The new surveillance technology can identify UAVs further away from airports, and according to an

airport spokeswoman, it also "identifies exactly where the operator is located." The system includes "two airfield sensors which offer 360-degree coverage up to 4km" in any weather condition.

**UAVs Seen As "Major Threat" To Sports Stadiums.** The Washington Post (5/10, Laris) reported that major league sports teams "are increasingly anxious about the more than one million drones government officials estimate are already in use," and are "asking Congress to give local law enforcement permission to seize or reroute drones flying over stadiums." The Department of Defense was "freed over the past two years, in certain cases, from prohibitions against intercepting electronic communications and 'sabotaging' aircraft" in order to address the potential threat from UAVs. Also, the Trump Administration has "proposed giving the departments of Homeland Security and Justice similar powers." Allowing UAVs to be "interrupted raises safety issues," according to some safety experts, and there are concerns that "stray signals from anti-drone defenses could interfere with cellphones or radios, possibly affecting heart monitors or airplane navigation equipment."

### **AFRL Showcases Automated Aircraft Maintenance System.**

ExecutiveGov (5/11, Martin) reported that the US Air Force Research Laboratory's (AFRL) Manufacturing Technologies Division has "showcased a new a robotic system for aircraft maintenance." The Advanced Automation for Agile Aerospace Applications (A5) robot uses sensor feedback to "perform factory work in localized environments, Wright-Patterson AF Base said Thursday." The 22,000 pound robot is expected to reduce aircraft coating removal times by as much as 50 percent. According to AFRL Automation and Robotics Program Manager Rick Meyers, the A5 is "mounted on a mobile platform that allows it to move about an aircraft." The A5 is nearing the end of Phase I development, and is "scheduled to undergo additional testing on a C-17 aircraft in fall this year."

### **Companies Raise Funds To Design Bottle For Alcoholic Beverages In Space.**

The Daily Mail (UK) (5/11, Cahillane) reported that Saber Astronautics Australia and 4 Pines Brewing are raising money to fund a new bottle design "based on fuel tanks to defy challenges of drinking in zero gravity" and allow astronauts to "enjoy [an] alcoholic beverage in space." According to the companies' Indiegogo posting, they hope to make a = 2bottle so astronauts and future space tourists can drink in space just as we do on land." According to an email, the developers are working on "two bottle designs which have had several rounds of industrial design with prototypes" and are scheduled for testing aboard parabolic flights early next year.

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## SPACE

### **SpaceX Successfully Launches, Lands Falcon 9 Block 5.**

Reuters (5/11, Rouletter) reported that the upgraded Block 5 version of SpaceX's Falcon 9 rocket "made its debut launch on Friday from Florida's Cape Canaveral carrying a communications satellite for Bangladesh into orbit." The Block 5 featuring around "100 upgrades for greater power, safety and reusability than its Block-4 predecessor" launched at 4:14 p.m. EDT from Kennedy Space Center (KSC) in Florida. The Falcon 9's first stage booster landed on an unmanned platform offshore around nine minutes after liftoff, and the Bangladeshi government's Bangabandhu-1 communications satellite successfully entered its intended orbit 33 minutes after launch. Friday's launch was SpaceX's ninth of the year. There had been five such missions at the same point in 2017, according to SpaceX CEO Elon Musk. The Block 5 booster is designed to be "reused at least 10 times with minimal refurbishment between flights, allowing more frequent launches at lower cost – a key to the SpaceX business model." SpaceX has safely landed 24 boosters and reflown 11 of them. The Block 5 Falcon 9 is expected to be SpaceX's first vehicle to "satisfy NASA's standards for its Commercial Crew Program" to carry astronauts to the ISS. NASA requires seven successful flights to attain certification for a manned mission. The rocket also will be used to launch "US Air Force global positioning satellites and other high-value, military and national security payloads."

Spaceflight Now (5/11), Bloomberg News (5/11), USA Today (5/11), and The Orlando (FL) Sentinel (5/11) hosted video of the launch.

***SpaceX Plans To Fly Around 300 Block 5 Missions Before Retiring Falcon 9.*** SPACE (5/11, Wall) reported that during a prelaunch call with reporters, Musk said that Block 5 first stages may be able to fly as many as 100 times with some refurbishment. According to Musk, the rocket's first and second stage Merlin engines have around eight and five percent more thrust, respectively, than their Block 4 counterparts. Musk added that the new Falcon 9 is "really better in every way than the Block 4," and has been designed to be "the most reliable rocket ever built." The Block 5 will be SpaceX's last version of the Falcon 9, which is eventually to be discontinued in favor of the Big Falcon Rocket (BFR) still in development. SpaceX is likely to produce between 30 to 50 Falcon 9 Block 5s, "which together will fly on the order of 300 missions before they're entirely superseded by the BFR, Musk said during yesterday's call."

CNBC (5/11, Sheetz) reported Musk stated on the prelaunch call that SpaceX is "on track to be double our launch rate last year."

### **NASA Continues To Call For Delay In Decadal Survey.**

Space News (5/11, Foust, Subscription Publication) reported that due to uncertainty over the status of the James Webb Space Telescope (JWST) and Wide-Field Infrared Survey Telescope (WFIRST), NASA continues to "suggest that the next decadal survey for astrophysics be postponed, a move opposed by many astronomers." The decadal survey identifies "priorities in astrophysics research and prioritizes both ground-based and space-based

observatories to carry out that work." The JWST and WFIRST are identified by the survey as flagship missions for the next decade, and NASA officials including Associate Administrator for Science Thomas Zurbuchen "are concerned that the next decadal survey committee may not be able to effectively prioritize missions in the next decade due to uncertainties in the status of JWST and WFIRST." A two-year delay of the study, they argue, could help mitigate these concerns. The next decadal survey, Astro2020, is scheduled to begin around the end of this year with the "selection of a chair of the committee that leads the study," with the report completed and released by late 2020. JWST is now scheduled to launch in May 2020, while the White House has proposed canceling the WFIRST mission. However, many astronomers "have no desire to delay Astro2020," and a delay would have to be coordinated with supporting agencies such as the National Science Foundation (NSF).

### **Experts Consider Potential For First "Space Trillionaire."**

Aerospace America (5/11, Risen) reported on discussions at last week's Humans to Mars Summit in Washington, DC centered on space entrepreneurship. During the event, Sen. Ted Cruz (R-TX) said, "I believe the first trillionaire will be made in space." While attendees and presenters "seemed optimistic about growth" of the space industry, some were "less sure about Cruz's trillionaire prediction." Star Century Partners founding partner Rick Tumlinson estimated that initial Mars exploration efforts will not be overly profitable due to the planet's distance from Earth. Low gravity manufacturing, Tumlinson pointed out, could be carried out on the lunar surface or a space station much closer to Earth. He also said, "As far as I've seen there is no business plan that (addresses) being able to go to Mars and do something of financial value." Explore Mars co-founder Chris Carberry sees the "immediate incentive to visit Mars" as exploration versus profit, and suggests that "we don't quite see what the market would be for Mars, but it's the inspirational driver, the science driver, the future-of-humanity driver." Still, Carberry believes that there "will be a space trillionaire, it's just a matter of whether someone gets there first making money the traditional way on Earth."

### **NASA Releases New Image Of Saturn's Rings, Moons.**

SPACE (5/11) reported that NASA has released a new image of Saturn's rings and its moons Mimas, Janus, and Tethys taken by the Cassini spacecraft in 2006. The photograph shows Saturn's "arcing limb, its razor-thin rings (seen edge on) and three of Saturn's many moons" from a distance of 1.7 million miles.

### **ULA Selects Aerojet Rocketdyne Engines For Vulcan Centaur's Upper Stage.**

The Orlando (FL) Sentinel (5/11, Tribou) reported that United Launch Alliance (ULA) has selected Aerojet Rocketdyne's RL10 upper-stage engines for its Vulcan Centaur rocket over engines offered by competitor Blue Origin. ULA has not selected a supplier for Vulcan's first stage engines, and "Blue Origin and Aerojet Rocketdyne are still competing for that." According to ULA President and CEO Tory Bruno, ULA could "not be more pleased to have selected the proven and reliable RL10 to power our Vulcan Centaur upper stage." Orbital ATK also selected Aerojet Rocketdyne engines for the Omega rocket's upper stage.

Space News (5/11, Foust, Subscription Publication) reported that the RL10C-X variant to be used on the Vulcan incorporates "improvements, like additive manufacturing of engine components, to improve its quality and affordability." An agreement reached between ULA and Aerojet "covers the delivery of engines over the next decade," and the companies pledged to jointly invest in engine development. Aerojet President and CEO Eileen Drake is

paraphrased as stating that the company was able to reduce the part content of a "copper thrust chamber for the RL10 by 70 percent through the use of additive manufacturing."

## MANUFACTURING

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### **Manufacturing Day 2018 To Focus On Skilled Worker Shortage.**

In a press release, the Manufacturing Institute (5/11) reported that "Manufacturing Day (MFG) 2018 will occur on October 5 with expected record-breaking turnout." The article added that this year, "MFG Day will focus on one of the biggest problems manufacturers face – a shortage of skilled workers." The release also said that "MFG Day goes a long way to inspire the next generation to pursue rewarding manufacturing careers." The release quoted Manufacturing Institute Executive Director Carolyn Lee saying, "Manufacturing offers many promising career options for the next generation – often without the financial burdens of college debt – and these well-paying jobs are in an industry that is modern, optimistic and growing. Yet, too often, the very talented younger Americans who could make the most of these careers either don't know they exist or have the wrong idea about what a career in modern manufacturing might look like." Lee added, "That's why we organize MFG Day events across the country – to inspire the next generation of manufacturers so that they can gain access to the fulfilling careers they deserve, and to help manufacturers fill the more than 391,000 open jobs in manufacturing today."

## FRIDAY'S LEAD STORIES

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- **FAA UAV Pilot Program To Run Around Two-And-A-Half Years.**
- **Uber CEO "Reasonably Confident" Company Can Begin Air Taxi Flights By 2023.**
- **Technical Issues Delay SpaceX Falcon 9 Block 5 Launch.**
- **GE Aviation Opens New \$200M Manufacturing Facility In Alabama.**
- **ED Civil Rights Data Show Minority-Majority High Schools Have Fewer STEM Courses.**

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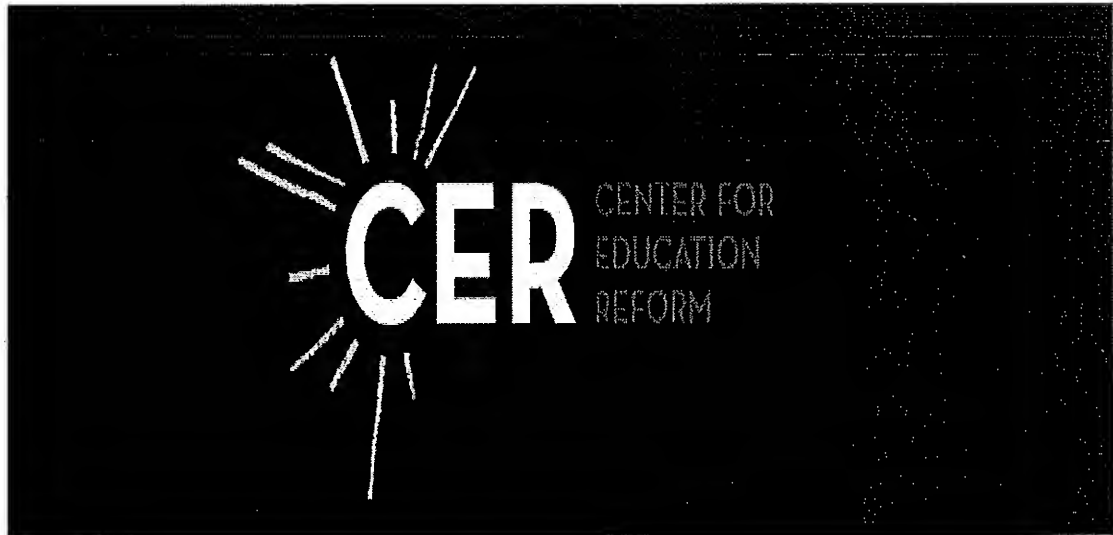
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# newswire@

A weekly report on education news and commentary you won't find anywhere else — from the nation's leading voice on education innovation and opportunity.

**REFLECTIONS.** Last week America celebrated National Charter Schools Week. In the 27 years since the founding of the charter school movement, tremendous progress has been made in the number of schools established, and in the wealth of innovative opportunities they offer to children, families, teachers and communities.

Each day of NCSW, schools, educators, advocates and thought leaders produced a combo of thousands of stories, data points and reflections about the role charters have played in transforming how public education works. Parents, policy advocates, legislators – and some of the brightest minds in the

areas of education technology, pedagogy, curriculum, teaching and learning have helped create a vibrant environment for student success among more than 3 million students who annually benefit from charter school education. As we reported last week however, despite that success, the reality is charters are "Opportunities Under Siege." We took an unflinching look at the forces and foes that could jeopardize all the hard-fought victories and advancement of the innovation and opportunity that 7,000 charter schools have delivered.

Check out this dedicated web resource site, daily releases, Op-Eds, media engagement, social media, videos and Reality Check with Jeanne Allen podcasts with pioneers and advocates such as Success Academy founder Eva Moskowitz, charter innovator, scholar and author, Sarah Tantilillo and respected pioneer who participated in the birth of the modern Charter School Movement, Howard Fuller. We explored the drivers of change, diversity and world-class education and those who strive to un-do this vital work. Our goals for this week were to galvanize charter school educators and administrators against teachers' union pressures for strikes and walkouts, dispel false claims to set the record straight in the media, reenergize parents and students, and bring urgency to legislators to pass strong charter laws and fund the ones already passed.

**LOOMING STORM CLOUDS IN NORTH CAROLINA** gather as union-backed strikes are scheduled for Wednesday May 16th in Raleigh with attendance expected to be high. This is another in a wave of coordinated efforts to engage charter school teachers to abandon their classrooms and their students under the façade of solidarity to suit their own agenda, optics and ultimately their coffers. This is the fifth in a series of walk-outs and sick-outs being encouraged by the National Education Association (NEA). The first was in West Virginia and lasted nine days. Subsequently, the NEA encouraged teachers in Oklahoma to walk, even though they won a 16 percent raise from the Oklahoma legislature before the nine-day walk-outs even began. Then there was Kentucky, followed by Arizona where new money for schools was already on the table prior to that walk-out as well.

**A WORD TO ALL CHARTER EDUCATORS:** While we appreciate that teachers are naturally collaborators, this national walk-out strategy is designed to undermine the very freedoms that charter schools afford not only their families but all who work there. The NEA believes all charters should fall under the same rules as traditional public schools, which, in effect, would make them no different than traditional schools. They fight charter schools in school halls and state halls. They are calling it a walk-out because the public does not like strikes, and they have poll-tested the words. (***The NEA spends \$34 million a year on its communications.***) And they are calling it a walk-out because they don't have the authority to make anyone do anything in a right-to-work state. However, this is a strike, plain and simple. And by striking with the union, you are joining the fight to close charter schools.



FOLLOW-UP TO:

THE CASE FOR  
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Part I. The Disappointing  
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First released -  
February 2013

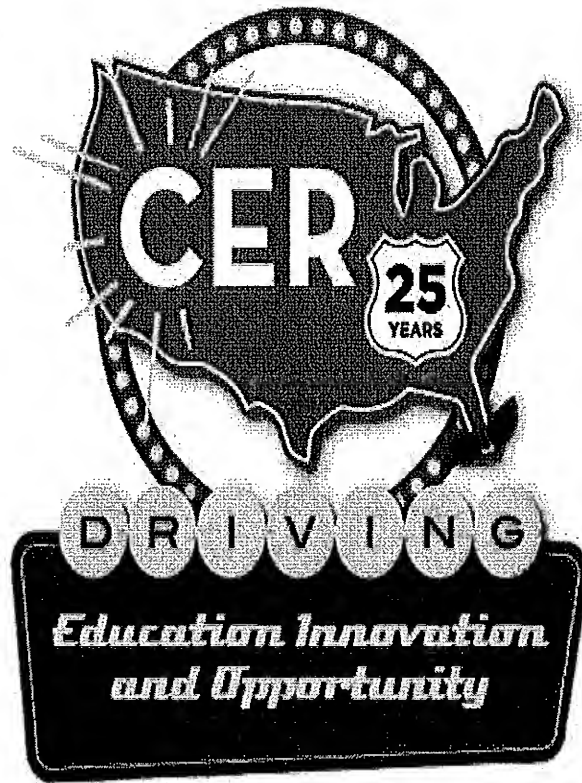
# THE CASE FOR EDUCATION TRANSFORMATION

Part II. Opportunity

MAY 2018

**THE CASE FOR EDUCATION TRANSFORMATION:** CER released the second in a three-part series for The Case for Education Transformation - Opportunity. Following last month's release of Part I- The Disappointing Reality of American Education, which included 2018 National Assessment of Educational Progress (NAEP) alarming data revealing that the lowest performing students in the nation are faring worse than they did on the same assessment in 2015. Part II also assesses what a new opportunity agenda should look like and presents a strategic road map to achieve it.

**CER SALUTES 20 YEARS OF EMPOWERING FAMILIES.** The Children's Scholarship Fund is 20 years old, and celebrates this milestone tonight in NYC. If you are in New York City – COME! Tickets are available to join the celebration and special memories of visionary founders Ted Forstmann and John Walton. And at CSF's helm for the entire 20 years the organization has been supporting more than 166,000 students with scholarships is president and chief operating officer, Darla Romfo. We spoke with her on this week's Reality Check with Jeanne Allen. Hear why even with today's availability of greater educational choices, Darla says CFS's work is more important than ever, "It's still the right thing to do – to keep trying to make a difference," she urges, "You can never give up."



*Founded in 1993, the Center for Education Reform aims to expand educational opportunities that lead to improved economic outcomes for all Americans – particularly our youth ? 4 ensuring that conditions are ripe for innovation, freedom and flexibility throughout U.S. education.*

The Center for Education Reform  
1455 Pennsylvania Ave, NW, Suite 250  
Washington, DC 20004

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**From:** Jeff Dillon

**Sent:** Tuesday, May 15, 2018 2:29 PM

**To:** Jeff Dillon; Micah Derry

**CC:** Rep01; Rep02; Rep03; Rep04; Rep05; Rep06; Rep07; Rep08; Rep09; Rep10; Rep11; Rep12; Rep13; Rep14; Rep15; Rep16; Rep17; Rep18; Rep19; Rep20; Rep21; Rep22; Rep23; Rep24; Rep25; Rep26; Rep27; Rep28; Rep29; Rep30; Rep31; Rep32; Rep33; Rep34; Rep35; Rep36; Rep37; Rep38; Rep39; Rep40; Rep41; Niraj Antani; Rep43; Rep44; Rep45; Rep46; Rep47; Rep48; Rep49; Rep50; Rep51; Rep52; Rep53; Rep54; Rep55; Rep56; Rep57; Rep58; Rep59; Rep60; Rep61; Rep62; Rep63; Rep64; Rep65; Rep66; Rep67; Rep68; Rep69; Rep70; Rep71; Rep72; Rep73; Rep74; Rep75; Rep76; Rep77; Rep78; Rep79; Rep80; Rep81; Rep82; Rep83; Rep84; Rep85; Rep86; Rep87; Rep88; Rep89; Rep90; Rep91; Rep92; Rep93; Rep94; Rep95; Rep96; Rep97; Rep98; Rep99

**Subject:** Key Vote Alert: Americans for Prosperity - Ohio OPPOSES House Bill 123

**Attachments:** HB123KeyVoteAlert.pdf

**Importance:** High



**Americans for Prosperity – Ohio OPPOSES H.B. 123**

May 15, 2018

Members of the Ohio House of Representatives:

On behalf of Americans for Prosperity, the nation's largest free market grassroots organization, and our tens of thousands of activists across Ohio, I **urge you to vote against House Bill 123**, which would restrict access to financing for some of our most vulnerable citizens in the guise of attempting to help them. Our organization is making **H.B. 123 a 'Key Vote' and will be recording your decision on our Legislative Scorecard.**

Payday loan opponents would like us to believe that these financial instruments are nothing but poverty traps, intended to exploit the financial emergencies of low-income families and ensnare them into usurious loan agreements. If this were actually the case, we would be appalled, and rightly so. But in reality, payday loans are more often used

to smooth irregularities in household cash flow, allowing those with limited financial resources to access cash when they know they will be able to pay it back, as an advance on their next pay check.

According to a study by the Pew Charitable Trusts, 69 percent of payday loan customers use them for routine expenses like rent, food, and clothing. Additionally, rather than being trapped in a never-ending spiral of debt and exorbitant interest rates, the average payday loan customer spends five months of the year in debt and seven months out of it, which could indicate that they are a return customer. According to Thaya Brook Knight, Associate Director of Financial Regulation Studies at the Cato Institute, this data paints a picture of the average payday loan user that is starkly different from the victim that payday loan opponents would have us believe is the intended target of this lending practice. Rather than abusing low-income workers and families in need, the data supports that payday loans are used to improve the ability of borrowers to cover basic expenses and make their lives easier.

In fact, 81 percent of payday loan users say that without these loans, they would be forced to cut down on basic expenses like clothes and food.

Helping families improve their financial situations and make ends meet is a critical challenge that needs to be overcome, but restricting access to financing options, as H.B. 123 would do if enacted, shows how good intentions can sometimes produce bad policy.

For these reasons, I **strongly urge you to reject H.B. 123**. Again, your decision on this bill tomorrow will be recorded as a **'Key Vote' on our Legislative Scorecard**. I look forward to working together to advance other, better policies that will truly help Ohio families transform their lives.

Best Regards,

A handwritten signature in black ink, appearing to read 'M Derry', with a horizontal line extending from the end of the signature.

Micah Derry

State Director, Americans for Prosperity – Ohio

*Americans for Prosperity (AFP) exists to recruit, educate, and mobilize citizens in support of the policies and goals of a free society at the local, state, and federal level, helping every American live their dream – especially the least fortunate. AFP has more than 3.2 million activists across the nation, a local infrastructure that includes 36 state chapters, and has*



*received financial support from more than 100,000 Americans in all 50 states. For more information, visit [www.AmericansForProsperity.org](http://www.AmericansForProsperity.org).*



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A handwritten signature in black ink, appearing to read 'MD', followed by a horizontal line.

Micah Derry

State Director, Americans for Prosperity – Ohio

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**From:** The Aerospace States Association Briefing  
**Sent:** Thursday, May 17, 2018 7:59 AM  
**To:** Rep88  
**Subject:** May 17: Efforts To Explore Lambert International Airport Privatization Hit A Snag

If you are unable to see the message or images below, [click here to view](#)



## The Aerospace States Association BRIEFING

in affiliation with



Good morning Bill Reineke

May 17, 2018

### POLICY NEWS - STATE

#### **Efforts To Explore Lambert International Airport Privatization Hit A Snag.**

The St. Louis Post-Dispatch (5/16) reports that efforts to explore the privatization of St. Louis' Lambert International Airport hit a snag when the city's Board of Estimate and Appointment did not hold a scheduled vote to approve the contract of three consulting firms selected by a committee in January to "seek and evaluate proposals from companies that want to lease the airport." According to the St. Louis Post-Dispatch, the reason for the contract not being approved was "a disagreement over a proposed group that would work alongside the consulting firms and make recommendations."

#### **Richfield, UT Airport Nears Completion.**

The Richfield (UT) Reaper (5/16) reports that after more than a decade of work, the Richfield City Municipal Airport project is "in its final weeks." The article says that "thanks to an ongoing grant from the Federal Aviation Administration," the airport rebuild is almost complete. The FAA paid for "more than 90 percent" of the project.

#### **Sheridan County, WY Approves \$575,000 Airport Funds Transfer.**

Sheridan (WY) Media (5/16, Palmer) reports that Sheridan County, Wyoming Commissioners authorized a transfer of \$575,000 in FAA entitlement funds to the Yellowstone Regional Airport in Cody, WY. Sheridan County Airport Manager John Stopka said the Cody airport board approved an agreement in which the commissioners would lend the funds to the airport.

#### **Florida County Plans Mosquito Control Program Using UAVs.**

U.S. News & World Report (5/16, Soergel) reports that officials in Lee County, Florida plan to use UAVs to aid the county's mosquito control operations. Lee County is one of "only 10 state, local and tribal government entities to be selected for the Federal Aviation Administration's Unmanned Aircraft Systems Integration Pilot Program." According to Lee County Mosquito Control District Public Information Officer Eric Jackson, the county has been "getting a lot of media requests" and has been "inundated with drone operators that want jobs." Jackson added that the district "relies heavily on aerial operations" to control mosquito populations.

## POLICY NEWS - FEDERAL

### WTO Ruling "Adds To" Tension Between Airbus, Boeing.

Bloomberg News (5/16) reports in a video that The Boeing Company has won a World Trade Organization (WTO) case against Airbus and the European Union. The decision "adds to the tension between two parties already at odds" due to the Trump administration's decision to withdraw from the Iranian nuclear deal, jeopardizing aircraft orders worth billions of dollars.

## FROM ASA



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## AVIATION

### FAA Orders Faster Inspection Of Boeing 737 Engines.

USA Today (5/16, Jansen) reports that the FAA ordered faster inspections of Boeing 737 aircraft engines Wednesday in order to "ensure that the oldest fan blades in about 5,400 engines are inspected by June 30." In a statement, the FAA said that it is "acting to ensure an extra measure of safety for fan blade performance in CFM56 engines." This follows a fatal accident aboard an April Southwest Airlines flight linked to one of the engines. The FAA order conforms to a CFM International directive published last week calling for airlines to "hasten inspections for engines with more than 20,000 flights." In a statement, GE Aviation said that more than 77,000 engine fan blades have been inspected following the incident. Each engine has 24 blades, meaning that "about 3,200 engines or more than 1,600

planes have been inspected." The FAA has estimated that around 3,716 engines needed to be inspected on US aircraft, but globally "330,000 blades on 13,750 planes will be inspected, according to the manufacturer." The inspections are estimated to cost US airlines a total of \$631,720.

Bloomberg News (5/16, Levin, Clough, Schlangstein) reports that the FAA's new directive to CFM56-7B engine operators was "based on findings in the investigation and a review by the manufacturer, according to a notice set to be published in the Federal Register Thursday." While Southwest has completed its inspection on affected engines in its fleet, the carrier sent "several dozen" blades, including "some with coating anomalies, to GE for additional testing."

**Southwest Completes Engine Fan Blade Inspection.** Bloomberg News reports that Southwest has sent some of its engine fan blades to CFM International for additional inspection, although the "carrier's own review found no faults like the one that caused a blade to crack in flight, leading to a passenger's death last month." At the airline's 25th annual meeting Wednesday, Southwest CEO Gary Kelly announced the carrier's "findings have been zero, which is obviously good news." After the meeting, Kelly told reporters that the company has sent "several dozen" blades to GE for additional testing, adding that he does not expect GE to find additional problems. GE's "inspection protocol will identify a crack before it gets to the failure stage," Kelly explained. Southwest uses ultrasonic tests to detect cracks, but GE also can conduct electromagnetic inspections. According to GE COO Mike Van de Ven, some of the blades sent back had coating anomalies, and were flagged for additional review "out of an abundance of caution."

## **US Marine Corps' First CH-53K King Stallion Delivered.**

CNBC (5/16, Macias) reports that the US Marine Corps received the "most powerful helicopter ever fielded" by the service at Marine Corps Air Station New River in Jacksonville, North Carolina on Wednesday. The King Stallion eventually will replace the Marines' "nearly 40-year-old CH-53E Super Stallion fleet," and can carry triple the "weight of its predecessor at a colossal 27,000 pounds." The delivery was the first of an expected 200 aircraft from Lockheed Martin's Sikorsky unit. According to Marine Corps Deputy Commandant for Aviation Lt. Gen. Steven Rudder, the Marines will test the helicopter in preparation for declaring it ready for deployment by the end of next year.

## **Boeing 747s Rebound With Increase In Air Cargo Demand.**

Bloomberg Business (5/16) reports that interest in Boeing 747s is rebounding, particularly in "used 747s originally built as freighters, since they have hinged noses that flip open to load oversize cargo such as oil-drilling equipment." Customers also are beginning to express interest in "cargo-haulers converted from passenger jumbos, which are heavier and can load only via doors carved into the side." UPS has "negotiated a freighter order that will keep Boeing's 747-8 assembly line open into the next decade." In addition, Atlas Air has "started lining up 747-400 freighters for customers such as DHL Worldwide Express." Air cargo demand is expected to increase from four percent to five percent this year, which "bodes well for all-new Boeing freighters, as well as for the used models."

## **Airbus Helicopters Cites "Success" Of Corporate Helicopter Division.**

FlightGlobal (5/16, Perry) reports that Airbus Helicopters believes that its decision to launch a "dedicated business aviation operation...has already begun paying dividends." Airbus Commercial Aircraft first made a similar change, prompting Airbus Corporate Helicopters (ACH) to be unveiled in May 2017. According to Airbus Helicopters CEO Frederic Lemos, "One year after the launch of Airbus Corporate Helicopters we can say it was a success." Lemos

added that the new division is "grabbing market share from the competition, particularly in the light-twin segment." In 2017, ACH "had a claimed 70% share of the market for corporate or VIP-roled turbine helicopters over 1.3t maximum take-off weight." Lemos called 2018 a "very important year" due to the ACH160, which he called a "game-changer in the small medium category."

### **Britain Expects F-35 Deliveries To Begin In June.**

The Press Association (UK) (5/16) reports that Britain expects its first F-35 fighters to arrive in the United Kingdom (UK) next month. British Defence Secretary Gavin Williamson "confirmed the imminent arrival" of the aircraft during an event commemorating the 75th anniversary of the World War II "Dambusters raid." Four of the aircraft are due to be delivered from the US next month, and "will do so with between 12 and 15 air-to-air refuelling serials per jet." The aircraft will be delivered two months ahead of schedule, allowing for additional training "before declaring initial operational service" for the fighters later this year.

### **Flybe Calls Bombardier Q400 "Best Core Aircraft" For Its Fleet.**

Reuters (5/16) reports that Flybe has concluded that Bombardier's Q400 turboprop is the best core aircraft for its current and future fleet needs, and is likely to remain the bulk of Flybe's fleet for the foreseeable future. Flybe is in the process of reducing its fleet from 85 aircraft as of May 2017 to a target of 70 aircraft by 2020, and has handed back all nine Embraer 195 jets operated by the carrier. An additional order for four Embraer E175s will be delivered in 2019, but Flybe does not anticipate any additional aircraft orders in the near future.

### **Southwest Seeks Overseas Expansion.**

CNBC (5/16, Josephs) reports that Southwest Airlines is looking to service additional destinations outside the US, including destinations in South America. According to Southwest CEO Gary Kelly, 96 percent of the carrier's flights are domestic, and Southwest serves 14 international destinations. Kelly said there are as many as 50 other destinations in North and South America that Southwest could serve. He also said that these will not be added "all next year," and that the process "may take us 25 years." An expansion to South America could follow similar network growth to the region by competitors like Spirit and JetBlue, and possibly put it in competition with large U.S. airlines like Delta, United and American."

## **SPACE**

### **OneSpace Successfully Launches First Private Chinese Rocket.**

CNN Money (5/16, Toh, Wang) reports that Beijing-based startup OneSpace "on Thursday became the country's first private company to launch its own rocket." The startup's OS-X rocket successfully launched from a facility in northwestern China as part of a mission to "collect data for a research project it is working on with the Aviation Industry Corporation of China, a state-owned company." Hong Kong University of Science and Technology Professor of Aerospace Engineering Xin Zhang doubts that the rocket was entirely developed by OneSpace. The company's CEO, Shu Chang, has stated that the rocket was developed and built in only three years, but according to Zhang, "that's supersonic speed." Zhang added that with OneSpace having raised only \$78 million, such a feat would have

been "difficult unless they cut corners." OneSpace has claimed it "lowered costs in part by using a specially designed electrical system that weighs 10 times less than those typically used in other rockets."

### **ISS Astronauts Service Coolant Pumps "Leaky" And "Frosty."**

The AP (5/16, Dunn) reports that NASA astronauts Drew Feustel and Ricky Arnold "swapped the positions of two spare ammonia pumps" that are part of the "critical cooling system" for the ISS. One pump "got too cold because of a power shutdown 17 years ago and is called Frosty," and NASA flight controllers plan to perform tests in the coming days to assess whether the pump still works. The other pump, a "failed unit dubbed Leaky, spewed out ammonia five years ago." Leaky was moved to a long-term storage platform, while Frosty "took Leaky's spot on a robot-arm mechanism." A new spare pump was delivered to the ISS last month. During the spacewalk, NASA Flight Controller Alex Apyan explained that the agency has "been doing a ton of work to play musical chairs with all these (pumps) so we can have good available spares." Feustel and Arnold also installed a "new camera and communication device," and completed additional tasks.

CBS News (5/16, Harwood) reports that the units are designed to pump coolant "through solar array batteries to keep them from overheating." Because the ISS uses eight of the units to cool its solar array batteries, NASA "wants two operational spares available at all times and engineers want to find out whether Frosty is, in fact, operational."

### **SpaceX Sets Targets For Next Falcon 9 Launches.**

Spaceflight Now (5/16, Clark) reports that SpaceX has delayed the launch of five Iridium "message relay satellites and a pair of U.S.-German orbiting geophysics probes" on a Falcon 9 rocket from California three days to May 22, while a "week-long schedule slip to May 31 is expected for the next SpaceX flight from Cape Canaveral with an SES communications payload." According to Iridium CEO Matt Desch, the delay for the launch from Vandenberg Air Force Base will allow SpaceX to resolve an issue with the Falcon 9's preparation. Desch called the problem a "minor processing issue" with a Falcon 9 component, adding that it is "not a big deal."

### **UK Considering Veto Of ESA's New Galileo Contract Tenders.**

Bloomberg News (5/16, Morales) reports that the United Kingdom (UK) is considering vetoing the "release of new contract tenders for the European Union's [EU] Galileo satellite navigation system" if the EU does not relax its stance on "restricting Britain's access to the program after Brexit, two officials familiar with the matter said." ESA officials want to bring forward bids for \$471 million in contracts to "design and develop the next set of satellites for the program." The tenders were officially planned for next year, but a vote on issuing them could be held "as soon as a European Space Agency meeting in mid-June, but the decision needs to be unanimous, giving the UK a veto." Britain wishes to remain in the project after its exit from the EU, and believes that access to Galileo "would be a test of how good the future security relationship could be."

### **Virginia-Based Aireon To Offer Satellite-Based Commercial Air Traffic Control Services In 2019.**

Bloomberg News (5/16) reports that McLean, Virginia-based Aireon is developing a satellite-based tracking system and is planning to offer commercial air traffic control services in 2019. Aireon's technology will allow for "better-



optimized flight paths, saving fuel and time while reducing separation between aircraft," which would enable more flights "in crowded areas such as the North Atlantic." UK-based NATS, which provides Britain's air traffic control service, is buying a 10 percent stake in Aireon. Aireon CEO Don Thoma said in a news conference on Wednesday that the FAA will start testing Aireon systems later this year.

### **Shotwell Explains "What It's Like Working For Elon Musk."**

CNBC (5/16) profiles the working relationship between SpaceX President and Chief Operating Officer Gwynne Shotwell and CEO Elon Musk. Shotwell joined SpaceX as an engineer in 2002, and was the company's seventh employee. Shotwell said, "I love working for Elon." She added that she has "been doing it for 16 years this year, actually." Shotwell sees her job as taking Musk's grand "ideas and kind of turn them into company goals, make them achievable," pushing SpaceX toward a comfortable space. Shotwell added that Musk, in contrast, seeks to "push again and put us back on that slope."

### **NASA Cubesats Transmit Their First Image Of Earth, Moon.**

SPACE (5/16) reports that one of NASA's Mars Cube One (MarCO) cubesats, "launched toward the Red Planet along with the agency's InSight lander on May 5, took a photo on May 9 to help confirm that its high-gain antenna had deployed properly." The antenna can be seen in the photo, as can the moon and Earth, the "latter of which appears as a pale blue dot, just as it did in a famous photo taken by NASA's Voyager 1 probe in 1990." In a statement, MarCO Chief Engineer Andy Klesh of NASA's Jet Propulsion Laboratory (JPL) called the image "our homage to Voyager," adding that cubesats have "never gone this far into space before, so it's a big milestone. Both our cubesats are healthy and functioning properly. We're looking forward to seeing them travel even farther." The cubesats will conduct a "demonstration mission" to show the spacecraft's utility on deep-space exploration missions, and also will test technologies "including a propulsion system that uses the same cold, compressed gas commonly found in fire extinguishers."

USA Today (5/16) includes video in its coverage.

## **MANUFACTURING**

### **FACC Expects Automation, Outsourcing To Improve Earnings.**

Reuters (5/16, Knolle) reports that Austrian aviation parts supplier FACC said Wednesday that it expects to improve its earnings significantly this year by expanding automation and by outsourcing the production of some of its parts. The Chinese-owned company doubled net profit to \$447 million in the year ending this past February. In its annual report, FACC stated that "initiatives to increase the level of automation and productivity and to outsource the production of simple composite parts to the supply chain will continue (in 2018/19)." FACC is targeting single-digit percentage sales growth for the year, and expects to supply parts for an expanded short-haul aircraft market. The company also is working "on developing surfaces able to adjust to changing conditions, such as pressure and suction in different phases of a flight, to meet future needs."

## **STEM EDUCATION**

## NEA Chairman And Smithsonian Secretary Argue For Integrated Education.

David Skorton, secretary of the Smithsonian Institution, and Jane Chu, chairman of the National Endowment for the Arts, write in [USA Today](#) (5/16), on "the future of work," arguing that there has been much attention paid to STEM fields, and "less emphasis on the intrinsic value of the arts and humanities." They argue, quoting Einstein, that "arts, sciences and humanities are all 'branches from the same tree,'" and support "broad educational experiences that integrate the STEM disciplines with the arts and humanities." They site a study from the National Academies of Sciences, Engineering, and Medicine that "offers compelling evidence that integration has a positive impact on the learning outcomes of students."

## WEDNESDAY'S LEAD STORIES

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- **DHS Secretary Calls For Increased Authority Over UAVs.**
- **WTO Finds Airbus Subsidies Harmed Boeing Sales.**
- **Launch From Kodiak's Pacific Spaceport Complex Canceled.**
- **NAFTA Negotiations "Inch Ahead."**
- **North County Math Superbowl Held.**

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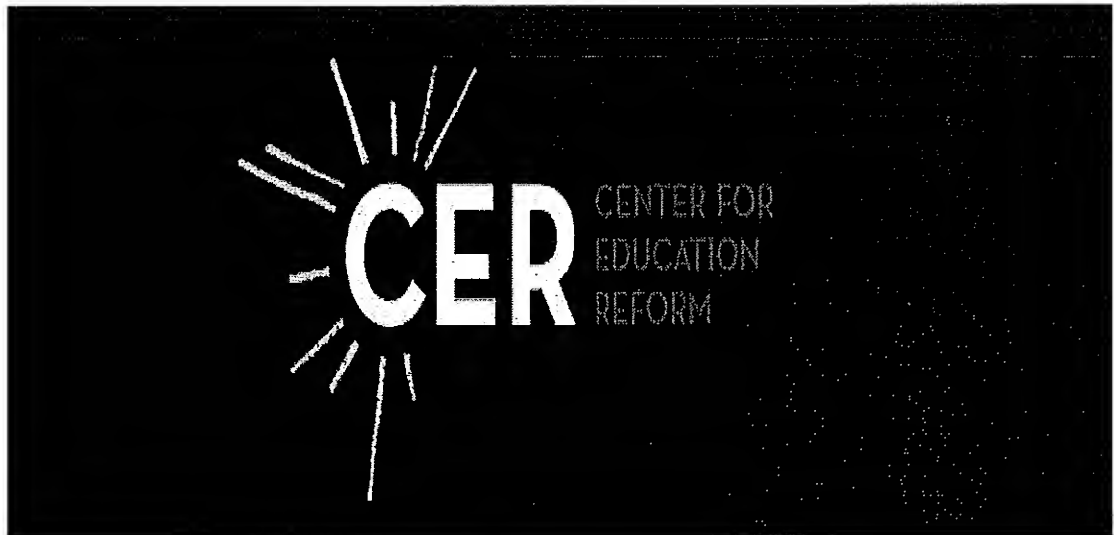
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The Aerospace States Association is an association of state lt. governors and state government officials fostering state aerospace growth and STEM workforce development. For more information, please see [www.aerostates.org](http://www.aerostates.org) or contact [GarelickBell@aerostates.org](mailto:GarelickBell@aerostates.org).

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# newswire@

A weekly report on education news and commentary you won't find anywhere else — from the nation's leading voice on education innovation and opportunity.

**PRIMARY DAY.** It's a great reminder of what's at stake, and a time for all to exercise their right to vote, not to mention their responsibility to know what it is they are voting for. A little [civics knowledge](#) courtesy of the Bill of Rights foundation might help you or your class, now and in the future to understand what it is we can all achieve if we focus on the issues. Let's start (and end) with education, a core function of any Governor. Today Texas, Georgia and Arkansas will nominate candidates for Governor to elect in November. In all, 36 states and 3 territories will elect state execs this year. Get to know what you should be asking and thinking now. CER's handy-dandy voter's

guide Education 50 is chock full of information to guide you and will be an up-to-date analysis of all major state races for November's final contests.

**MORE UNION DISSENT. This time** in South Carolina. Dubbed a "mobilization", the rally at least took place on a Saturday when the livelihood of the children was not at stake. Want more money and benefits? Teachers should get up to speed on what's really preventing that from happening. (Hint: It's not education reform).

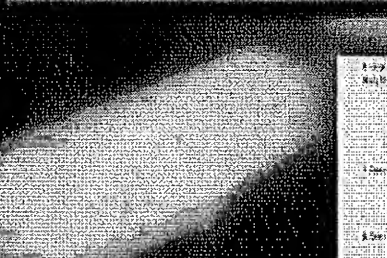
**BAIT & SWITCH.** The media have been hoodwinked clearly by catchy surveys conducted by the Louisiana Federation of Teachers claiming a majority of teachers support their strikes and demonstrations. Take a look at this loaded question they used to stir the pot. Again, teachers should ask themselves, what has the union done lately to ensure that school spending reaches the classroom, to reduce their dues, to reduce pension costs, ensure that salaries not be topped off at the end of a teacher's career, and that greatness is rewarded, while mediocrity is not? The reality is that most teachers don't know how they are paid, or why.

## Louisiana Teacher Salary Satisfaction Survey 2018

School funding in Louisiana has remained stagnant for most of the last decade, and our teacher salaries are now about \$2,000 below the Southern regional average. Another budget crisis is looming, and yet our legislature has taken no steps to avert it.

In some states, teachers and school employees have acted to demand pay raises and better funding for schools. Actions in West Virginia, Oklahoma and Kentucky had positive results for educators.

Please complete this survey. Let the Louisiana Federation of Teachers know what you think about salaries in our state, and what you think will help correct the situation.



I agree/disagree with making a "walk-out" movement available to support actions against the status quo if you think the status quo is not working. What do you think would be the consequences?

☐ Strongly Agree

☐ Somewhat Agree

☐ Disagree

☐ Strongly Disagree

If there were a strike, how long would it last? (Please check one)

☐ Less than 1 week

☐ 1-2 weeks

☐ 3-4 weeks

☐ More than 4 weeks

☐ Indefinite

A strike could hurt students' learning. How much?

☐ Not at all

☐ A little

☐ A lot

☐ Very much

If there was a walkout, how many days would you expect to miss?

☐ None

☐ 1-2 days

☐ 3-4 days

☐ More than 4 days

☐ Indefinite

The following statement describes your level of agreement or disagreement with the statement. Please indicate your level of agreement or disagreement by checking one box.

☐ Strongly Agree

☐ Somewhat Agree

☐ Disagree

☐ Strongly Disagree

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## SOME LA TEACHERS IN FAVOR OF STRIKE

SURVEY SHOWS 61% SAY THEY'RE FOR A STATEWIDE WALKOUT

YOUR  
DRIVING  
RISK  
AND  
WEATHER  
AUTHORITY

72° 10:07 PM

**WHEN THEY CAN'T WIN THEY SUE.** Repeated lawsuits initiated by the unions against the tiny Washington State charter school law are going to prevent more students like Jalen Johnson, an 11th-grader at Summit Sierra charter school in Seattle, from succeeding. Johnson told the crowd at a pro-charter rally that the commitment of his teachers helped turn him from an average middle-school student who had little thought of attending college to a thriving high-school junior who hopes to study urban planning at the University of California at Berkeley. "This is how every school should be." That's the same theme in Georgia in a news report about charter school graduates. "Public

school choice, in the form of successful, innovative public charter schools, helps struggling children thrive and graduate.”

**SPEAKING OF GRADUATES**, Michigan’s charter schools are forcing some who have long used flawed data to condemn Detroit charters to eat their words. Turns out that with struggle comes progress (as one of our friends would say). A dollar spent by a Detroit charter yields 2.5x lifetime earnings, according new a new report by the Mackinac Center. Indeed 8 of the 10 top high schools in Detroit for college enrollment were charter schools. Despite the good news, the Gubernatorial Democratic frontrunner in Michigan announced earlier this month his “war on charter schools.” Shri Thanedar is campaigning on a plan to ban most Michigan charter schools. His competitor Gretchen Whitmer is following his lead.

**ILLINOIS CHOICES UNDER ATTACK, TOO.** Political efforts motivated by stiff teacher union pressure threaten the elimination of the successful Invest in Kids Act program, despite its popularity and necessity. Empower Illinois received 24,000 applications as soon as its scholarship program went live, causing its website to crash, and is up to 50,000. The state tax credit program is decried by the teachers’ union because it’s a policy that supports educational alternatives. So as the unions work to pull teachers out of school they are also trying to stop kids from going to schools that meet their needs. Go figure.

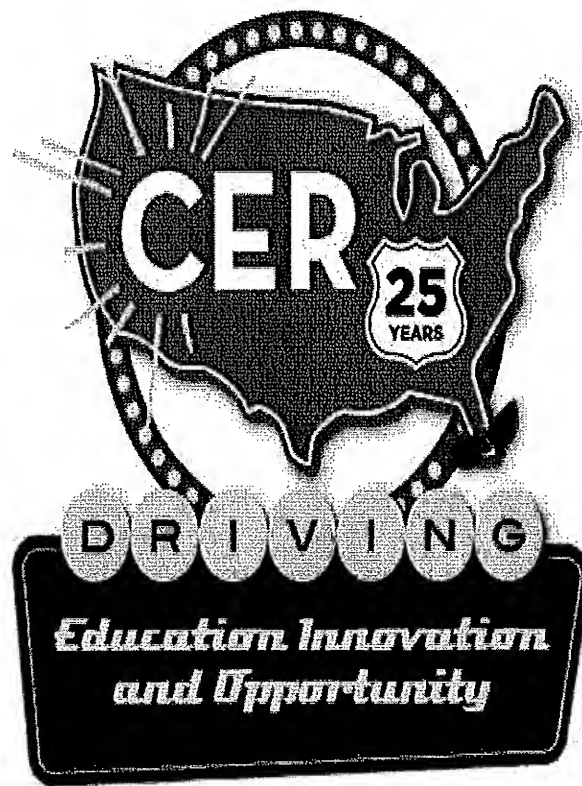
**FLORIDA DISTRICTS FIGHT** equality for kids while they deny charter public schools their equal right to property tax money.

**DESPITE FAILURE & SAFETY ISSUES**, the head of the National Education Association (NEA) is galloping into Kentucky to the fight proposed state takeover of Jefferson County Public Schools.

**LET US PRAY. THE MUCH-ANTICIPATED SCOTUS *JANUS v. AFSCME* RULING** in late June could mean a seismic shift for teachers’ unions. With the strong possibility of a ruling Mark Janus’ favor, releasing non-

union teachers from mandatory fees, the nation's largest teachers' union, the National Teachers Association (NEA) has announced a projected loss of 300,000 members over two years and accordingly, a proposed annual budget reduction of \$50 million. For more details and analysis on the case and how its outcome will affect all educators and students, listen to this Monday's Reality Check with Jeanne Allen with guest Colin Sharkey, executive vice president of the Association of American Educators.

Check out this week's Reality Check w/Jeanne Allen for an interview with North Carolina charter school leaders about the strikes and their prescription for success.



*Founded in 1993, the Center for Education Reform aims to expand educational opportunities that lead to improved economic outcomes for all Americans –*



*particularly our youth — ensuring that conditions are ripe for innovation, freedom and flexibility throughout U.S. education.*

The Center for Education Reform  
1455 Pennsylvania Ave, NW, Suite 250  
Washington, DC 20004

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**From:** Ohio Arts Council

**Sent:** Thursday, May 24, 2018 10:08 AM

**To:** Rep88

**Subject:** May | Governor's Awards Photos, Individual Excellence Awards & more

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[View this email in your browser](#)

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**OHIO CELEBRATES, WORKS, AND  
NEVER RESTS ON OUR LAURELS**



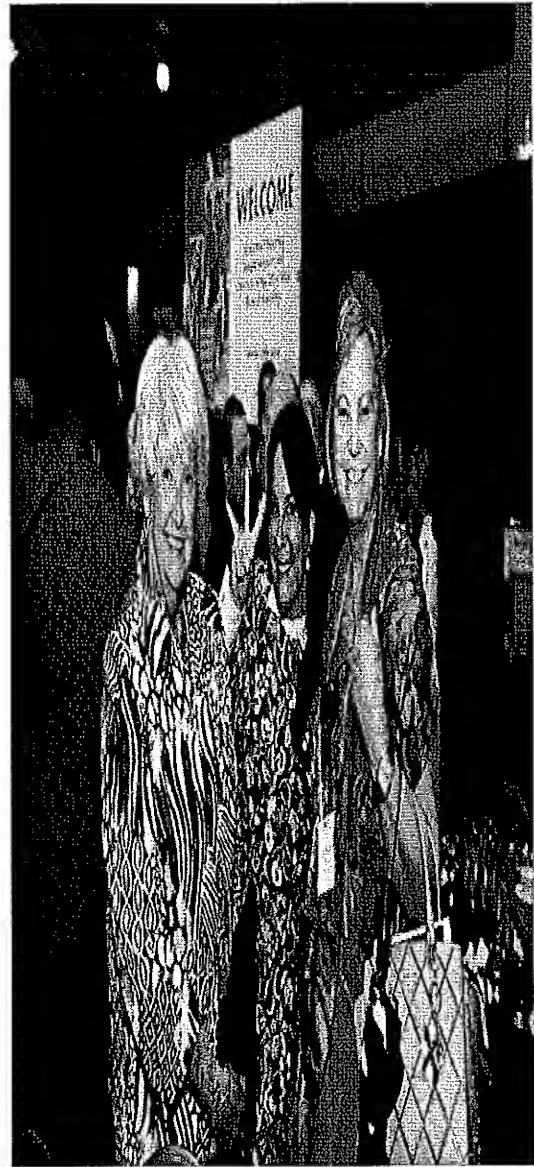
*2018 Governor's Award for Community Development and Participation winner Sierra Leone and Ohio Arts Council Executive Director Donna S. Collins.*

In this month's Message from the Executive Director, Donna S. Collins discusses the 2018 Governor's Awards for the Arts in Ohio, the National Endowment for the Arts, and more agency updates.

**READ DONNA'S MESSAGE**

**THANK YOU FOR A FANTASTIC  
GOVERNOR'S AWARDS CELEBRATION!**





Congratulations to the nine winners who were honored for their contributions to the arts in Ohio at the annual Arts Day & Governor's Awards luncheon and awards ceremony on May 16 at the Columbus Athenaeum!

**[WATCH THE FULL PROGRAM HERE](#)**



**ART WORKS.**

**National  
Endowment  
for the Arts**  
arts.gov

## **OHIO RECEIVES SECOND- LARGEST NEA PARTNERSHIP AGREEMENT GRANT FOR 9TH STRAIGHT YEAR**

The OAC received \$995,800 to help support arts initiatives throughout the state.

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## **STUDENT-COMPOSED SONGS SING SUCCESS OF TEACHING ARTIST RESIDENCY**

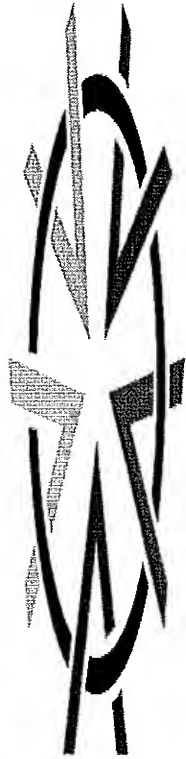
As part of a TeachArtsOhio teaching artist residency, the Midview High School songwriting class has been working with Cleveland songwriter Brent Kirby to produce "Living in the Moment," a CD featuring six songs written entirely by the students.

**[READ MORE](#)**

## OHIO ARTISTS RECEIVE INDIVIDUAL EXCELLENCE AWARDS

Board members of the Ohio Arts Council approved Individual Excellence Awards for state fiscal year 2018 during a public meeting on April 25. The awards recognize creative artists for the exceptional merit of a body of their work that advances or exemplifies the discipline and the larger artistic community.

[READ MORE](#)



**Ohio Arts**  
**COUNCIL** A STATE AGENCY SUPPORTING  
ARTS AND CULTURE



**WATCH: HIGH SCHOOL ARTISTS DISCUSS WORK  
FEATURED IN OHIO HOUSE OF REPRESENTATIVES  
EXHIBITION**



**WATCH THE VIDEO**



## **KENNEDY HEIGHTS COMMUNITY COUNCIL HONORS TUSKEGEE AIRMAN THROUGH ARTWORK**

This summer, a monument commemorating Lt. John H. Leahr, a member of the Tuskegee Airmen from Kennedy Heights, Ohio, will be unveiled outside of the Kennedy Heights Arts Center.

[READ MORE](#)



## **MEET KATHY SIGNORINO, ARTIST PROGRAMS/PERCENT FOR ART COORDINATOR**

A lover of spreadsheets, fine arts, and cats, you can find Kathy Signorino at her desk in the Ohio Arts Council's Individual Artist office or traveling around the state for the Ohio Percent for Art program. Learn more about Kathy in this month's Meet the Staff Q&A.

[READ MORE](#)



### **Art & Accessibility Tip #9: What to know when writing about disability**

When writing about people with disabilities, do you ever wonder if you're saying the "right thing"? The National Center on Disability and Journalism has a Disability Language Style Guide to assist you in writing. And remember: When in doubt, put the person first.

For more accessibility ideas from local, regional, or national websites, contact Kim Turner, the accessibility coordinator at the Ohio Arts Council, at [kim.turner@oac.ohio.gov](mailto:kim.turner@oac.ohio.gov).

*The Ohio Arts Council believes that everyone has the right of equal access to the arts. Each month, the ArtsOhio newsletter includes an accessibility tip for arts organizations. For additional accessibility resources, visit [oac.ohio.gov/About/About-the-Council/Accessibility](http://oac.ohio.gov/About/About-the-Council/Accessibility).*

ON VIEW

Riffe Gallery  
OHIO ARTS COUNCIL

# WOMEN TO WATCH OHIO - 2018

A collaboration with the Ohio Advisory Group of the  
National Museum of Women in the Arts

MAY 3 - JULY 7, 2018



## WOMEN TO WATCH OHIO - 2018

May 3 - July 7, 2018

*Women to Watch Ohio – 2018* showcases the work of 10 Ohio women working with metal through sculpture, installation, jewelry, and two-dimensional works. The exhibition is developed in collaboration with the Ohio Advisory Group of the National Museum of Women in the Arts and is curated by Ann Bremner and Matt Distel. This is the second *Women to Watch Ohio* exhibition initiated by the Ohio Advisory Group and the first to encompass mid-Ohio as well as the northeast and southwest regions of the state.

[READ MORE](#)

COMING SOON

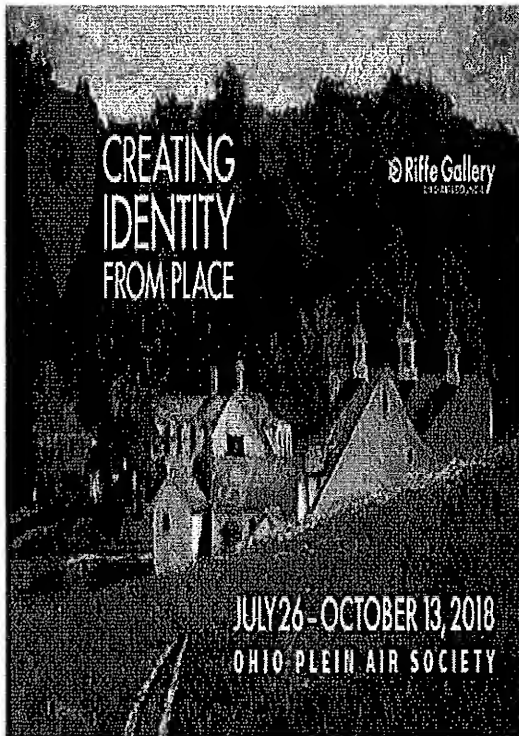
**LOBBY EXHIBITION:  
ACCESSIBLE  
EXPRESSIONS OHIO, VSA  
OHIO**

**June 13 - July 11, 2018**

Started in 1996, *Accessible Expressions Ohio* is an adjudicated, statewide exhibition and tour of visual art for artists of all ages with disabilities. This professional development opportunity helps raise awareness about art and disability by presenting the art in inclusive settings.

**[READ MORE](#)**





## CREATING IDENTITY FROM PLACE

**July 26 - October 13, 2018**

*Creating Identity from Place: Ohio Plein Air Society* is an exhibition of 73 paintings and drawings created from direct observation in nature. Curated by Artistic Director Charlotte Gordon, Southern Ohio Museum, this exhibition of Midwestern landscapes is a reflection on the everyday beauty of Ohio.

[READ MORE](#)

## FOR ORGANIZATIONS | Grants & Opportunities

### **JUNE 1: Capacity Building, Building Cultural Diversity, and Artists with Disabilities Access Program (ADAP) Grant Applications Due**

The [Capacity Building program](#) supports organizations' efforts to improve business practices or add new knowledge and skills that forward organizations' missions. Awards may fund technical assistance projects, planning or evaluation work, staff professional development opportunities, or other initiatives that upgrade an organization's ability to do what they do.

[READ MORE](#)

The Building Cultural Diversity program supports new and emerging organizations whose mission, programs, staff, and board represent culturally diverse communities. Awards support arts programming and projects that celebrate communities' unique arts and culture or preserve a culturally significant artistic tradition or practice.

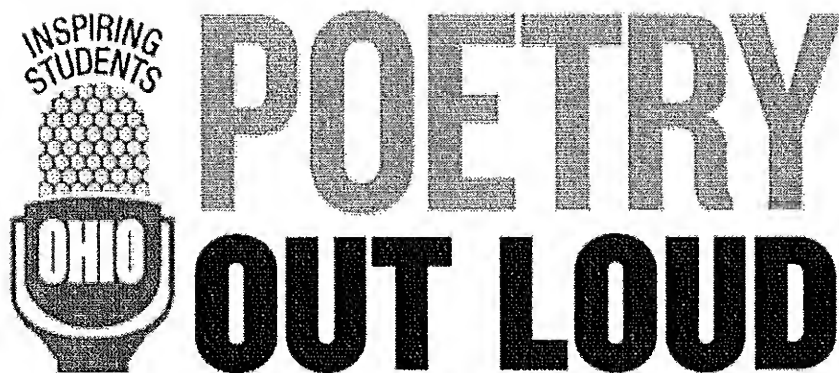
[READ MORE](#)

ADAP provides funding that gives individual artists with disabilities—and organizations that serve them—the resources they need to further their artistic development. ADAP awards help artists with disabilities advance their artistic practices, making Ohio a more accessible and inclusive place to build an artistic career.

[READ MORE](#)

**CONTACT:** Brianna Dance and Jim Szekacs, Organizational Programs Coordinators

**FOR STUDENTS AND EDUCATORS | *Poetry Out Loud***





## **Poetry Out Loud Registration is Now Open**

Ohio *Poetry Out Loud* registration is open for the 2018-19 competition! *Poetry Out Loud* encourages students to learn about great poetry through memorization and recitation.

### **REGISTER TODAY**

**CONTACT:** Chiquita Mullins Lee, Arts Learning Coordinator

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*Image credits: 1) 2018 Governor's Award for Community Development and Participation winner Sierra Leone and Ohio Arts Council Executive Director Donna S. Collins, photo by Terry Gilliam; 2) 2018 Governor's Awards winners, (left) Crystal Michelle, Ro Nita Hawes-Saunders, Amy Held, Ricardo Averbach, Sierra Leone, Scott McComb, Marsha Dobrzynski, Howard Parr, Mimi Rose, Stuart Rose, David Mitzel, photos by Terry Gilliam; 3) National Endowment for the Arts logo; 4) "Living in the Moment" album cover, photo courtesy of Justin Caithaml, Midview Local Schools; 5) Ohio Arts Council logo; 6) Ohio House of Representatives Student Art Exhibition video screenshot; 7) Lt. John Lehr memorial concept sketch, photo courtesy of Jarrett Hawkins; 8) Meet the Staff graphic; 9) Art and Accessibility graphic; 10) Women to Watch Ohio - 2018 post card, image credit: Carol Boram-Hays, WHOOSH (detail), 2017, steel, duct tape, 114" x 80" x 48"; 11) Kerri Applin, Grandpa's Flapjacks, air dry clay, acrylic paint; 12) Robin Roberts, An Evening at Malabar Farm, 2016, Oil on canvas, 15 1/2" x 19 1/2"; 13) Ohio Poetry Out Loud logo*



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# newswire@

A weekly report on education news and commentary you won't find anywhere else — from the nation's leading voice on education innovation and opportunity.

**GUBERNATORIAL RACES PUT ED FRONT-AND-CENTER.** Who are the education innovation and opportunity candidates? With [36 gubernatorial races](#) at stake, and CER's ED50 ramping up to serve you in the generals, your CER NEWSWIRE will highlight key races & what opportunity voters should know about each candidate from now until the final election day.

**CALIFORNIA.** In the Golden state, the front runner's gold is clearly the teachers unions, who endorsed Lt. Gov and former San Francisco Mayor Gavin Newsom because he says stuff like edreforms such as charters are an attack on public education. Antonio Villaraigosa believes in choice through charter

schools, which earned him the endorsement of California charter advocates and some of their biggest financial backers.

But the State's two leading Republican candidates are polling ahead of Villaraigosa. Businessman John Cox is pretty silent on education opportunity, and Assemblyman Travis Allen is a fierce advocate of educational choice. They are polling at 18 and 16 percent respectively ahead of Villaraigosa's 9%.

**GEORGIA.** The winner of May 22nd= 2s Democratic primary, Stacey Abrams says educational choice is "diversion of funds to private schools" that "[undermine] our government's responsibility." (Hmmm, you mean the responsibility to educate kids which they can't do in most states and communities, Stacey?)

The Republicans will run off Lt. Governor Casey Cagle and Secretary of State Brian Kemp in July both of whom have supported education opportunity. Kemp also supports military vouchers.

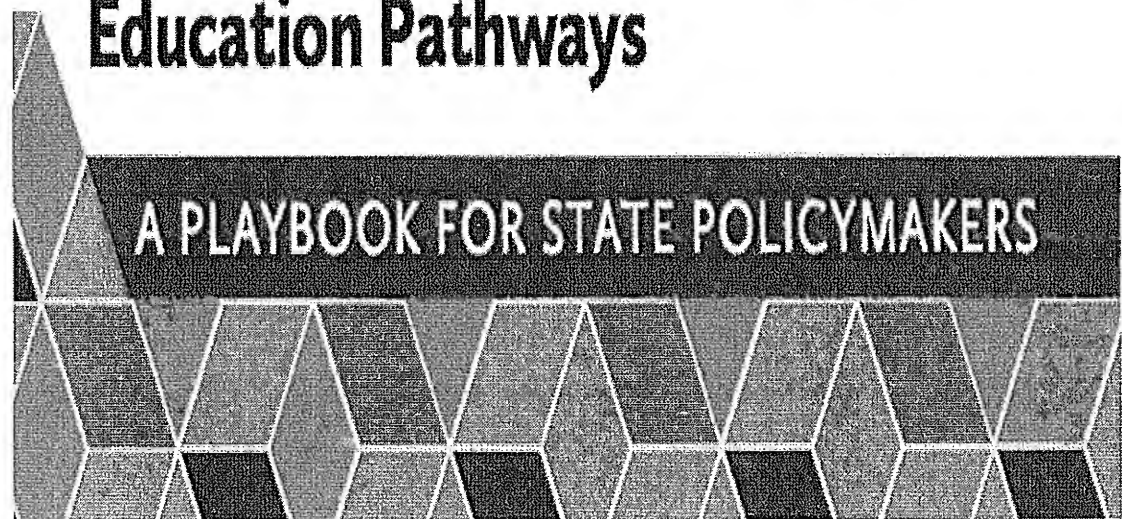
**UNIONS GEAR UP (BRACE) FOR JANUS.** The U.S. Supreme Court will deliver a decision in Janus v. AFSME sometime in June, and true to form, the American Federation of Teachers (AFT) is focused on how to mitigate membership losses that will be inevitable if the Court rules in favor of Janus. AFT says it will lose members (aww, darn) and is buying up advertising to scare people that this decision is terminal... for... exactly who? Imagine if those funds were given back to the teachers who can't make enough money in the prime of their lives thanks to A) the policies they lobby for and B) the dues they extract.

**GET THE DETAILS** with the latest Reality Check w/Jeanne Allen with guest Colin Sharkey, EVP of the Association of American Teachers, the largest non-union professional association for teachers. Colin is uniquely qualified to comment on the case and its implications for the public sector and the teaching profession. Mark Mix, the head of the National Right to Work

Legal Defense Fund, also talks about the case he helped to take all the way to the Supreme Court.

**EXCEL IN ED PLAYBOOK.** Shout out to the Foundation for Excellence in Education for producing the first-ever playbook for state policymakers defining the case for strengthening career and technical pathways through cross-sector partnerships. Let's strive to help learners at all levels, particularly those ill-served by traditional schooling all these years.

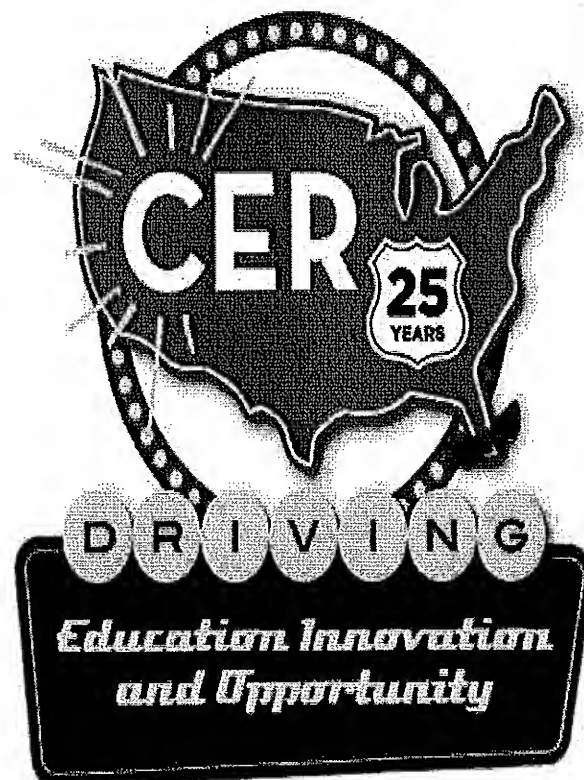
# Building Cross-Sector Partnerships to Support Career and Technical Education Pathways



**STUDENT-CENTERED FUNDING IN NORTH CAROLINA?** Could a new funding model mean greater impact, and more money going to teachers students and classrooms in NC? The NC budget includes a 6-7% pay increase for teachers and principals, performance pay provisions for additional bonuses, increases for all education related growth and even includes a provision allowing property tax dollars to fund public schools or public charter schools

directly outside district lines. Consider the impact of this on teachers, who recently took to the streets to protest what they get paid. If money flows to schools, the potential for more and better funding opportunities for teachers is enormous. Think about it!

**JOIN US!** Recognized for their accomplishments in ensuring the creation and advancement of opportunities and innovation across the education landscape, the 8 honorees for CER's 25th Anniversary are change agents, innovators, and leaders of breakthrough options for learners at all levels. They will receive their awards and recognition for their unique accomplishments at the Center's Silver Anniversary Summit & Celebration, October, 25 – 26, 2018 in Miami, Florida, "The Road to Innovation for ONE America." Sit back and watch who's driving opportunity & innovation!

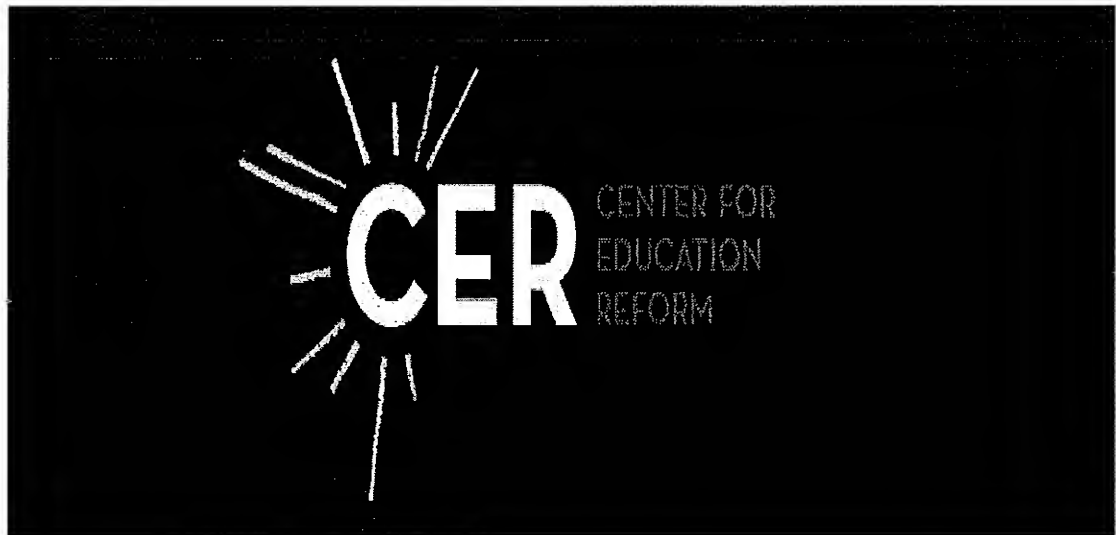


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